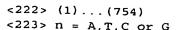```
tcagaacaga tgcttgaaat atgcacttag cactttggtt ccacatctgt ctgggtaaac   600
catgaagaaa atgaagctgc tgcctcaatc ganeccagac agcagccata ggcagataaa   660
gatttnggtt caccccttggt ggtgggaggc atcgtgtgtg cctttttttc ctctaatatc   720
aattttacag tccgggaan   739
```

```
<210> 3188
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G
```

```
<400> 3188
gnnngncgtt cnaattncgn ggnntctttc tngccnanna nnannngcgt gngngaattc    60
ggcacgagac tgttcatcct aagttccact ataaacaggc tcatgactcg ggcacagaca    120
cttcttgcgt gactttttcc tatgatggta atgtccttgc ctctcgtgga ggtgacgatt    180
cattaaaatt atgggacatc cgacaattta ataaaccact tttttcagcc tcgggtcttc    240
ccaccatgtt cccaatgact gactgctgtt tcagtccaga tgataagctc atagtcactg    300
gtacatctat tcaaagagga tgtggcagcg gcaaacttgt tttctttgag cgtaggactt    360
tccaaagggt gtatgaaata gacatcacag atgcgagtgt tgttcgctgc ctgtggcatc    420
caaagctgaa ccagatcatg gttggaactg gaaatggatt ggctaaagtc tattacgacc    480
ccaacaagag tcagagggga gcaaaattat gtgtggttaa aacccancgg aaggcaaaac    540
aagctgagac tctactcagg actacatcat caccccctcat gccttgccta tgttcccgtg    600
agccccgnca acggagtaca aaggaaacag ctggagaagg acagactgga tccctgaagt    660
cgcattaacc tgaacctcct gtancangcc cangtcgtgg tggccgattt ggaacccacg    720
ggggcactnt tttttcct                                                  738
```

```
<210> 3189
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G
```

```
<400> 3189
tggggnntnn nttctaatgc tgggatgttc taaangntgg gctactcgtt ctttccgcag    60
ganccentcg attcgaattc ggcacgagga aaggtggcgc gcttctcacg gctgagttgc    120
tgcgcctgca gacggaagct ccccacaggc agagctgctt ggatgtgtga gtcatgaagc    180
cagagaagcc ccgctccatg agcagtgact ccccaggccc tgtgacctcc ctcctgtctt    240
gcagctcctc ctggcaccag tccccagggc tctcctgttg gtagttcctg ctttttcttct    300
tggaaattcc tcgtggacct cgagatcttt accctaaaat agttctgttg aatttcaccc    360
tggcaatgta aattgatagc ttatcttcac agatgccaga caatggacaa ctcaccatca    420
gtcctctgct cacctgagac aaatgcatgt ctgattgctt cctctgccct attgnttatg    480
tgaaaatgca gattcactga gccagactaa ggcatcagtg actgttcctc tactgcctct    540
cacatggaga ttgtgtattc agtgaaaggc tgatcaaaga ccccaaagga atgcaccagt    600
ttatctctta tctacctatg acctgcgagc tgnccaccac ccccagttgt tgcgcctttc    660
cagacagaac cagtgtcatc ttacacgtat taattggatg tcctgngnct tccttaatat    720
gtatcaaaac aagctngcct tgaacacctt gggcacn                            757
```

```
<210> 3190
```

873

<210> (implied)
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 3190

```
gnngnnnnnn tttctaatgc ttgggnnnnn ngtcnatgcn taagagccan gcggntcgaa     60
ttcggcacga ggcgggcccg gccagcggaa gcccctgcgc ccgcgccatg tcaaagaaaa    120
aaaggactga gtgcagaaga aaagagaact cgcntgatgg aaatattttc tgaaacaaaa    180
gatgtatttc anttaaaaga cttggagaag attgctccca aagagaaagg ctttactgct    240
atgtcagtaa aagaagtcct tcaaagctta gttgatgatg gtatggttga ctgtgagagg    300
atcggaactt ctaattatta ttgggctttt ccaagtaaag ctcttcatgc aaggaaacat    360
aagttggagg ttctggaatc tcagttgtct gagggaagtc aaaagcatgc aagcctacag    420
aaaagcattg agaaagctaa aattggccga tgttgaaacg gaagagcgac caggcttagc    480
aaaagacttt cttcacttcg agaccaaang ggaacagcta aaggcagaag tagaaaaaat    540
ncaaagactg tgatcccgca agttgtngga agaaatcgcc aagcaaatna agtagcccaa    600
ggaactgctt acagatggac tgattacata ttcgcaataa aatcttnggc ccaaagaaaa    660
atttngggtt tgaaggaaaa ttaaattggt tngaaccttt tggaatttcc cgaaagactt    720
ttgcctncnt ngacttaaaa tatttccatg gnggtgaaag gttgtccaan ctt           773
```

<210> 3191
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 3191

```
gnangnnngn ttcntagtgc ccgtggggagt cttagatncc ctaaaaaatt gntaatgctn     60
ggtcggcacg agtcaaggcc tacgaaacag gtgatgcact accccggcta cggttccccc    120
atgcctggca gctnggccat gggcccggtc acgaacaaaa cgggcctgga cgcctcgccc    180
ntggccgcag atacctccta ctaccagggg gtgtactccc ggcccattat gaactcctct    240
taagaagacg acggcttcag gcccggctaa ctttggcacc ccggatcgag gacaagtgag    300
agagcaagtg ggggtcgaga ctttgggggag acggtgttgc agagacgcaa gggagaagaa    360
atccataaca cccccacccc aacaccccca agacagcaat cttcttcacc cgcttgcaac    420
ccgttccgtc ccaaacagag ggccacacag ataccccacg ttctatataa ggaggaaacc    480
gggaaaagaa tataaagtta aaaaaaaagc ctccggtttc cactactgng tagacttcct    540
gcttcttcaa cacctgcaga ttctgatttt tttgttgttg gttgttctct ccattgctgn    600
tggtgcangg aagtcttact taaaaaaaaa aaaattttgn gagtgactcg gtgtaaaacc    660
atgttanttt taacagaacc nanaagggtt gncctattgg ttaaaaaaaa aaaaaaaaaa    720
aaacttngng cctttagaac tattanngag nccnatttac nttaatccan nct           773
```

<210> 3192
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

874

```
<222> (1)...(754)
<223> n = A,T,C or G

<400> 3192
ttggantctt ctcngaaacn cttngcnatt gcnctntctg naggatccca tcgattcgaa      60
ttcggcacga ggttcttcaa agccaaccaa gacaggcttn tnagttttag agcttcagaa     120
caaattgcca aaagccagag ttgtttatgc tagtgcaact ggtgcttctg aaccacgcaa     180
catggcctat atgaaccgtc ttggcatatg gggtgagggt actccattta gagaattcag     240
tgattttatt caagcagtag aacggagagg agttggtgcc atggaaatag ttgctatgga     300
tatgaagctt agaggaatgt acattgctcg acaactgagc tttactggag tgaccttcaa     360
aattgaggaa gttcttcttt ctcagagcta cgttaaaatg tataacaaag ctgtcaagct     420
gtgggtcatt gccagagagc ggtttcagca agctgcagat ctgattgatg ctgagcaacg     480
aatgaagaag tccatgtggg gtcagttctg gtctgctnac cagaggttct tcaaatctta     540
tgcatagcaa tccaaagtta aaagggtttg tgccactagc tcgagaggaa atcaangaat     600
ggaaaaatgt gttgtaattg gtctgcantc tacaaggaga agctangaac atttagaaag     660
ctttggaaag aaggccggng ggagaaattg aatgattttt ggtttcaact nccaaaaggt     720
gtgttgcnct cccttctttg aaaaaacatt ttct                                754


<210> 3193
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(856)
<223> n = A,T,C or G

<400> 3193
tggtgccngt tcctattccg tgctntcgtn ctncnccagg ancnangcgt ntcgaattcg      60
gcacgaggaa ggaggaccta ggcacacaca tatggtggcc acacccagga gggtagtggg     120
gagttagatt tcagagtcca ggccctaggt tgggacccac tccaaataat ctcctcggtg     180
tgggtggtgg ttctatagag ggataaatga ataataaaca ttgttaaaat atacgaaaaa     240
aaaaaaaaaa aaaaaaaaa aaaaaaaaan aaaaaaaana aaaaaaaaa anaanaaaaa     300
aaaananaaa aatnaaaaan annanaaaaa aaaaaaaaaa aanncccctn cnccctaaaa     360
nattcngggg ggnttttttcc tccannccnn ntntttaata nnctncttnt tgnntcttng     420
nctcaccnnt tcttttggtn ggcnntaana naaaatnttn nttttttttn ggntanaaat     480
ncnntnncng tttttttntnn tttttttttcn aaaccctcct nttntanctc ncgtntcnaa     540
aaanntnttt ntccncnncn nttnnntnnt nctntttcta tttttnnttc ttntncaann     600
ttccnangtg nnnngngtnt nntgnggctt gtttntttt ncnncctngc gtcatccnnc     660
caataatttc ttnncncccc nannccnnat tttttntnnc ctctatntnn gnngngnnat     720
atnantcccc tttattnttn atnantagtc ntntnttttn ttntccntng tnatannatt     780
ttntntcccn ntntaanttc ctcannnnat ttnntnnncn ncgngntata tttnangnta     840
nntcnncggg gttnct                                                     856


<210> 3194
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 3194
```

```
gtntngnnng nngttnnatt atatggntcg nctnnctcna nnancnangc ttgngctgac      60
aacttgattg ggttctcctt caggtttgaa gcgccctcna gaagtgtcta aaggagacag     120
ttgatagcca aacaacagtt ttggattcac tgactgatta tgaaagaagc agtagactgg     180
tatcaagaat cagtcagcaa ggaggccctc accagacgcc agtgccatgt tcttggactt     240
ctcagcctcc atattcatga actaagtttt tggaatcctt aggcttccac gtgtggaaag     300
cctgagctaa cctactggag gatgagccat cacctggagc agattcaggc catcctagtt     360
gaagcctccc taggccaagc aaccgtccaa ctaccagaca ttgaccattc agccttgaac     420
attcagcaca aagacaaaac agaccagacc agaagagtcc cacagaatag gggaaactat     480
tcagagaaaa cttaagccac taagttttat ggtgttttgt cttgtagcc agaagcatag      540
gcatactggc caatacaaac cgaaatcctt ctaacgtant ggaccctttt caggccagca     600
ttttttccct tgaaaacctg ggagccttgt attccatctt attagcagaa gatcactttc     660
accaatggtt tgggctcttg atttggaatt gatgatgtaa tgagcctnta ttcnanatgn     720
gacttaatac ctctgcgaat tgactggatt ccn                                  753
```

```
        <210> 3195
        <211> 840
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(840)
        <223> n = A,T,C or G

        <400> 3195
cggatnncgt nagganngat ngtagnancn tcgctcnccc tntgagnaag ggngngcgaa      60
ntcggcacga ggacccaggt agaccagctc annagnnntt tttctttgtc atcctcctgt     120
gagctctctg naagtctctt tcttgcccat caccacatcc ctagtactgg gtatcagtct     180
ggccacttgg ctttctggtt tgccccaatg tggnctattc ttgatgcagc taccaaagta     240
atgtttttaaa accatnatac caagttacta tccttgcaaa accccagta actgccaatc     300
tcacttagaa taaaatccgg actcctgtga agcacacata actgggccac tgnctatgca     360
gcaacctcat ctttaccgtt tcctgccttg ctcactccct ttcaagcgcc gntattcttc     420
ctgatgccct agtacacaac aactccttct gcttcaaaga gtangaaaat tactggnctc     480
tctgccagtg agantccnct tctggnatta cccttgctnc aattgctgaa acttctncaa     540
atatcaacct tctaaaaaag agcccttta aaaacaccct tttctaatat ggccctact      600
caaatttcca agtccctgg naattgggcc caatttcccc caactttcaa taagcaacct     660
taaatgggct aatcctggaa aattnacccc cctaaaaang gngcaancct ttnaatggaa     720
nngggtaagg gccaaanttn aattnggncc tntngngnna cctggggnaa anggncccta     780
ggaaggaaac ccaagccaan cttggggctt caaaaaannt angggcaac cttcnaaana      840
```

```
        <210> 3196
        <211> 840
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(840)
        <223> n = A,T,C or G

        <400> 3196
cggatnncgt nagganngat ngtagnancn tcgctcnccc tntgagnaag ggngngcgaa      60
ntcggcacga ggacccaggt agaccagctc annagnnntt tttctttgtc atcctcctgt     120
gagctctctg naagtctctt tcttgcccat caccacatcc ctagtactgg gtatcagtct     180
ggccacttgg ctttctggtt tgccccaatg tggnctattc ttgatgcagc taccaaagta     240
atgtttttaaa accatnatac caagttacta tccttgcaaa accccagta actgccaatc     300
```

```
tcacttagaa taaaatccgg actcctgtga agcacacata actgggccac tgnctatgca    360
gcaacctcat ctttaccgtt tcctgccttg ctcactccct ttcaagcgcc gntattcttc    420
ctgatgccct agtacacaac aactccttct gcttcaaaga gtangaaaat tactggnctc    480
tctgccagtg agantccnct tctggnatta cccttgctnc aattgctgaa acttctncaa    540
atatcaacct tctaaaaaag agccctttta aaaacaccct tttctaatat ggcccctact    600
caaatttcca agtcccctgg naattgggcc caatttcccc caactttcaa taagcaacct    660
taaatgggct aatcctggaa aattnacccc cctaaaaang gngcaancct ttnaatggaa    720
nngggtaagg gccaaanttn aattnggncc tntngngnna cctggggnaa anggnccota    780
ggaaggaaac ccaagccaan cttggggctt caaaaaannt angggggcaac cttcnaaana    840
```

```
<210> 3197
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 3197
atccngttct ntannnngtc tngttctttc tncacgatcn nntgcgattc gaattcggca     60
cgaggggtcc tggtgggagt tccatccagc agtgagtgca ttttttcccc agagcagtta    120
agggtcttat taaaagccac cactttgctg aggcctgtac aggccttggg ggtttgggga    180
agagaantaa ggcaggcact tgtcccttca gggagggact tgtccntact gggaggtttg    240
gggttgacct tggctccagc agagataccc agcctggcnt ggaagggcag gtcttgagct    300
tacgcttgac tgcaagggca agctgcaggc ctcttctgcc ttccctgca ttcaccaagg    360
acaagtagga ccaagaagtc aagggaaaag tgccaagata gatctattcc catttctttc    420
ttccacctgg agaattcctg agctatgctt caaacctctt ttgggccagg gaaagactgg    480
gggacatttt ttagtcaagg atgctttaag aaagtaaatt cctgcttggg ggcccaggcc    540
ttctttttca agggcttgct tgtgaatgcc caaccaaaaa aaaggggccc ccaaggccca    600
atcccttact tcctnggtcc ccccaaaaag ggatnccaan ttggggaatt gggaaaactt    660
gggcanncac ccnaanccca ctttggtagg anttnaccaa cccaaccaac ccaaaaccan    720
cccacccaaa ttnaaaaaaa ggccaaaacc accaaccaac cnaaacccnn annnnnnnnn    780
nannnnnnnn nnnaaaaaaa ctttgangcc ttttaaaaac tntttngngn ggn           833
```

```
<210> 3198
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 3198
gtnnnnttca atgcttggct ctttccnacg naggatccca tcgattcgcc aggctagtct     60
tgaactcctg gcctcaagca atcctcccac ctcggcctcc caaagtgctg ggattaaagg    120
cgtgagccac cgtacctggc ccttggtgga atctttaggg ttttctattc atacatataa    180
aatcatatca ttggcaaaca gagataattt tacttnctcc tttccaattt ggatgcctta    240
gatttctttt ccttgcctaa ctgctctgtc tagaactccc agcactatgc tgaatagagt    300
ggcaagagca ggcatttgcc ttgttcctaa ccttagagaa aaatccttca gcctttacc     360
attgaggatg atgtttgctg ttagtttttc ataaatgatc tatatcaggc tgaataaatt    420
tctatttcta aaaaaaaaaa ntncttnnct ttanaaaaaa tgctaaaaaa aaaaaactcg    480
agcctttaaa actatagnga gtcgnnttac gtaaatccag acntgataag atncattgat    540
```

```
gagtttggca aaccacactn naatgcagtg aaaaaaatgc tttatttgng aaatttggga    600
tgctattgct taatttgnaa cccttttaag ctgnaataaa caagttaaca acaccaatgg    660
attcatttat ngttcangtt cagggggagg tntngnaggg tttttaattc cgggccnnng    720
gnccaaanca ttt                                                        733
```

```
        <210> 3199
        <211> 870
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(870)
        <223> n = A,T,C or G

        <400> 3199
nagttaanag taggtcttgt cttttgcaag atcntancga ttcgaattcg gcacgagtat     60
ataacaactt ttgctttcaa agttgggtgg gactagancn cncantggaa ggntggagtc    120
agganacctg gattnttgng cccgntntgg nttttacagt ntgcctaant ttntgcagtn    180
acttcntgcc ancctgtttc nttacntnca anagggaaag acantccttg gccagcctag    240
ttttnagggt gaacgaaagg tcnttntcac tgcntcctct agtcatttgc ttcttcgnta    300
attaacacat cttgagcacc tgcnatgttc caggaacagg agatggcanc gtgcaagata    360
aagtccctga cttctagaga ctgcatgtta gtggcaatcg gcgntaccc ggccttnaat    420
aaactactga atgaaggaaa attctaccta caccagacac aattactggg gtttctaaaa    480
tggaattatt cccccggccc cntgcatcca gcagcctgnt gcagggaaac tcctccnaaa    540
ggcttgtaag gcaaggaanc cgggacaatg gcntggctat ttaagcttnc aacaagatgg    600
ttacccctaa gtncctaatt ccctaacacc aaggggggccc tttaccagga aaccaaaacc    660
aggttaaaaa accccaaagt tgggnaaaaa gccatttgcc anccggggcc ntttttaaaaa    720
aaacctttna aaaacctttc ccttttaaaa ctttaccttc aagntaaaan tttaggggga    780
atgggnccaa nttttttaac canccccaaa aaaaanttng gnaatttttt ttcccnaaat    840
tttttnaant tccccaaatt tnggaaaang                                       870
```

```
        <210> 3200
        <211> 733
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(733)
        <223> n = A,T,C or G

        <400> 3200
nagtttaann gtatgtcttg tcttttccaa gatcctatcc gattcgaatt cggcacgaga     60
agtgtcagtt ttcctaatct cagtccaggt aggatttaaa aantntctca agtgttgatg    120
ctntccaagc ntgttggggt ggaagggaat tggtgcccag aaaatgggac tggagtgagg    180
aatatctttt cttttgagag tnccccagt taatttntnc tgtgcttat tgctnctgtn    240
ctttattgtg aatgttgtaa cattttaaaa atgttttgcc ntagcttttt aggacttggn    300
gttaaaggag ccagtggtct ctctgggtgg gtnctataat gagttattgt gacccacagc    360
ttgtgtggga ccacatcact tgttaataac acaacctta aagtaaccca tcttccaggg    420
gggttccttc atgttgccac tccttttaa nggacaaact caggcaagga gcatgtttt    480
tngtnattta caaatctan cagactgtgg gtatccatat ttnaattgtc gggtgacaca    540
tgttcttggt aactaaactc aaatatgtct ttctcatata tgtgctgatg gttttaataa    600
atgtcaaagt tctcctgtta aaaaaaaaaa aaaaaaaac tcgagccttt anaactntnt    660
gagtcgtnta cntagatccn gacatgataa gatcatgatg agtttggaca accncactng    720
aagcagtgaa aaa                                                        733
```

```
<210> 3201
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 3201
gatgccggtt cctatgatgn gctctcggct tcctaggagt tccaanactn ggctngcncg        60
aggncttnta aatatatctn ggntttanta ggtgataagt nctgtcantt agtancatct       120
gaaaaancag ctttgtcctg ggtgaaaaag gatgccaaaa ttgcctggaa aagagcagtg       180
anaggagtcc gggagatgtg tgatgcntgt gaagcancat tgtttancat tcactgggtc       240
tgccaaaaat gtggatttgt ggtctgctta gattgttnca aggcaaagga aaggaagagt       300
tctagagata aagaactata tgcttggatg aagtgtgtga agggacagcc tcatgatcac       360
aaacntttaa tgccaaccca aattatacct ggttctgttt tgacagatct tctagatgcc       420
atgcacactc ttaggaaaa atatggtatt aaatcccatt gncattgtct aacaaacaga       480
atttacaagt tggaaatttt cctncatgaa tggtgtatct caagtttaca gaatgtctta       540
atcacagtat aaaattctct gngcatgcct gagtctcagc gccaaaatcc tcctccgaag       600
tctgagaaaa atggtggcag cnnccccana aagtgatgtt nggcnccaga ttaccaggtt       660
aacttcctcc agaatnccag tcaccactgn actggntagc anatcttgcc gagccaaaaa       720
gcccnaagng ggaaaaaaaa aaaaaaaa                                          748
```

```
<210> 3202
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 3202
ggnnnnngnn ngntnncgtt ccctattant caggngctcg ntctntctcn annnancnng        60
gcgtgtncga attcggcacg aggattttcg aaactcttca gctacttgcc cttttttatc       120
tgaaaccatc ataccttctg aaagaaaaaa gcatatcttc attgacataa cagaagtgag       180
atggcccagt cttgatacag atggtccatg atatatatgg agagtggcat tgtgaagata       240
acatctttag atggtcatgc ataccttgc ctgcccagat ctcagcatga atttacagta       300
cattttttgt gtaaagttag ccagaagtca gactcatctg cagtgttgtc agaaacaaat       360
aataaagccc caaagataa actagttgaa aaaactggca aaatctgtat acgtggaaat       420
ttaccaggac agagactgaa gaataaagaa aatgagtttc attgccagat catgaaatcc       480
aaagaaactt taaagaagat gagttgtgta aatggaactg aagggagggg aagaactgcc       540
ttcgcctggt acaaagcaca catgtgtata cacatgggtc aagcagtgct ggtctgtggc       600
tgnctgtcca gangaatgga aatatccttg gctttagcac ttcattttca taataaaatc       660
agcaattntg tctaaaaaaa aaaannnana aaaaactnga gcctntanaa ctntagtgag       720
tcgtattacg tagatncnna catgataa                                         748
```

```
<210> 3203
<211> 780
<212> DNA
<213> Homo sapiens

<220>
```

```
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G


        <400> 3203
ctaaatgctt tggganagnn ncccctttga ancctntnaa atcctttggc aanttgcnct      60
cnctgtngga tcccatcgat tcgaattcgg cacgagagac agggagaaga gaggaagagg     120
gagctgcagg tgccagaaga gaacagggcg gactctcagg acgaaaagag tcaaaccttt     180
ttgggaaaat cagaggaagt aactggaaag caagaagnca nggtctaaag gagaaagggg     240
tcccagtcag cgggcaggag gcgaaagagc cagagagttg ggatgggggc aggctggggg     300
cagtgggaag agcgaggagc agggaagagg agaatgagca tcatgggcct tcaatgcccg     360
ctctgatagc ccctgaggac tctcctcact gtgacctgtt tccaggtgcc tcatatctcg     420
tgactcagat tcccgggact cagacagagt ccagggctga ggaactgtcc cccgcagctc     480
tgtctccctt gctagagccc atcagatgct ctcaccagcc catttctcta cngggctcct     540
ttttgactga ggagtcacct gacaaggaaa aacttctatc agtactttga tatgtcacag     600
tttcatgttt atccagttca atgtattttt aaattttcc ttgagacttc tttgactgat      660
agattattgt gaagtgtgtt tttaaaattt ncaaatgttt aagggatttt catatctttc     720
ttaatgctga tttccaattt ggattcccta caatgattct gggattcatc tgctctggac     780


        <210> 3204
        <211> 796
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(796)
        <223> n = A,T,C or G


        <400> 3204
tcttttaatg cttttttncaa gccttgtttn aaatcctttg caggatccca tcgattcgaa     60
ttcggcacga gactaccccg gctacggttc ccccatgcct ggcagcttgg ccatgggccc     120
ggtcacgaac aaaacgggcc tggacgcctc gcccctggcc gcagatacct cctactacca     180
gggggtgtac tcccggccca ttatgaactc ctcttaagaa gacgacggct tcaggcccgg     240
ctaactctgg caccccggat cgaggacaag tgagagagca agtgggggtc gagactttgg     300
ggagacggtg ttgcaagaga cgcaagggag aagaaatcat aacacccca cccnaacacc     360
nncaagacag cagtcttctt caccgctgc agccgttncg ttccaaacag agggccacac      420
agaatacccc acgttttat ataaggagga aaaccggnaa aanaatttaa aagttaaaaa       480
aatanccttt cngtttaca ctactgntgt agactcctgn tttcttcaan cacctgnaga      540
ttcttgattt ttttgttgtt gatgntctct ccattgcttg tngtttgcnt gggaantttt     600
atttaaaaaa aaaaaaaatt cttgtgagtn gactttggnt tttaaaccan tgntagattt     660
taacngnacc cttaatgggt tgtacntata tgntttnaaa acatgnnaan aaatatttaa      720
tgtaaaggnn ctgttnntaa atntaaccac ntanagaant tnnaaannnn ttnanccctt     780
tagaacnatt nntgng                                                      796


        <210> 3205
        <211> 769
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(769)
        <223> n = A,T,C or G


        <400> 3205
```

```
ttttaatacn ttttttnaatn cttgcttncg ntcctttgca ggatcccatc gattcgaatt    60
cggcacgaga gcaattccac tcctagctcc acccacaggt aattgaaagc aaagacgcaa   120
acagatgcct gtgcaccaaa gttcacggca gcatccttcg ccatagtggc agcatccgtc   180
gtcacagcgg natcatcctt catcatagcg gcagcatccg tcgtcacagc ggcagcatcc   240
ttcgccacag cggcagcatc tgtcgtcaca gnggcagcat ccttcgccaa agcggcagca   300
tccttcgtca tagcggcagc atcctttgcc atagcggcaa ggtggaaacc ctgtccatcc   360
actgaggcgt gcatagacta aacatggcca gtccaggcac tggaatccag gccgtanaac   420
ggngcccacn gtcaaaagga atgagaccct gatgcactgg gcgacacaga cgggcgacac   480
agacttggag acatcatgct aagtgaaaag ccaggcacac ggagcggacg gggtgatcct   540
gctcacgtga tgtgtcccga atgggcacnt tcagagggga agaanggaga tggcgcttga   600
cngtgnccgg dacnggggtt gggagcgacc ggttgttggt ttngggtttc tttctngggt   660
gaaggaaatg tttttgatat tggggccgtt tgggtgatnt ttgcattacc ctttgaatat   720
gcttanaacc cnctagaaat tgnnacactt tttaaatngn ttggaaatt                769
```

```
        <210> 3206
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3206
tgttctaata ctaggtntac tcgccttttg caggatctna tcgattcnaa ttcggcacga    60
ggggtcctgg tgggagtnnc atncagcagn ganngcattc tttccncaca ncagtnaacg   120
gtcttattaa nagccaccac tttnctgang cctgtacagg ccttgnnggt tnggngaaca   180
gaaatnncgc aggcacttgt accttcaagn anggacttgt gcctnactgn nagggttggc   240
gttgaccttg gctcacnga catacccant ctgacttnna acgngcncgt ctnagcttac    300
gctagactgc acnnccaagn ttgcangcct nttntgnctt ccctgcattn accaatgaca   360
gtacgaccaa cagtcaanga aaagtgccaa gatatatcta tcccatttct tctacacctg   420
tanattcctn actatgctca aactatgtgg ngcaangaan actggnngac atttttagtc    480
aatgatgctg acaattaatt actggtgngg ccaggcatat nttcacggct gcttgtgatg   540
ccaacnaaga acgggcccca gcccatcctt actcctngnc cccaaanaga tccagtgnga   600
atgggaagct gnnannacca acccaactnn tgatttacca ccaacnccaa anatcacgca   660
tgnnnacagc aaaacaacaa cncnatgcac ttaacaagna nccnaaaant naactcgngc   720
ctctaaaact attngggant cctttanct                                      749
```

```
        <210> 3207
        <211> 848
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(848)
        <223> n = A,T,C or G

        <400> 3207
gnatgncccg atttccttaa tgatggggnn nnnnngagcg anncttccga aanttccaat    60
annctgggng ntcgcaactc nctcnanaca gnaaggncgn gggctttgct ctctccattc   120
caagttgntc tctgttctag aaagcagatg tagtagacat ctactgttgt tgcctgaaca   180
gaatcccttt gtcctttttt tgntaaaagt actcatccct aatattcatt gtnctggaag   240
gactgaaaat acagaactca caccatgatc ggccgggaca atcagattat ttcattccnc   300
agcaaacgga gatcganccg aaaagtggaa anatgagcnc ttctttggng ttggcatatg   360
```

```
gaccctgaga gaaagaactn tnattntttc tcttggactg caataaagta tagctgccta    420
aaatacgntt cctgacactt ggaggnttgt ccacaatcgg ngaaataaag gcgagaccgn    480
acactggatg aaaaaaanaa gnnnccngnn gaanacccac tnnnccannn nccnnnccnn    540
tncnccanng nnganccnnn tanccgnnan naggccnnng cnntngcnnc nnngccnnnn    600
nnnnnngggn aaacccnnnn gnnnncnnn nnnnnnnncn nnnnannnnn nnncnncnng    660
nnggnnctnn nnnnannnnc cccnncnncc cnncnccnnn nggnaanncc nnnnnnnann    720
annnngggnn nnnncnannn ccnnnnnnnn cannncnncn cnnnnnggnn nnnnncnnnn    780
nnnnnnnnnn ncnngngnnn acnnnngngn nnnnccnnnn nnnnnncngg nnnnncnnnn    840
nnnncccc                                                            848
```

```
        <210> 3208
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(770)
        <223> n = A,T,C or G

        <400> 3208
tgggnnngnn ccnaangcng gggannnggt ccccgttcca anactggaan ncttggcann    60
cgaactcgct cnannagnaa ggccgggnga attcggcacg aggccccgct ccatgagcag    120
tgactcccca gctcctcctg gcaccagtcc ccagggctct cctgttggta gttcctgctt    180
ttcttcttgg aaattcctcg tggacctcga gatctttacc ctaaaatagt tctgttgaat    240
ttcaccctgg caatgtaaat tgatagctta tcttcacaga tgccagacaa tggacaactc    300
accatcagtc ctctgctcac ctgagacaaa tgcatgtctg attgcttcct ctgccctatt    360
ggntatgtga aaatgcagat tcactgagcc agactaaggc atcagtgact ggtcctctac    420
ctgcctctca catggagatt gggtattcag tgaaaggctg atcaaagacc caaaggaatg    480
caacagttta tctcttatct acctatgacc tgcganctgc caccacccc agntggngcg    540
cctttccaga cagaaccagt gtacatctta cacgtattaa atngatgtcc cnggggctcc    600
cnaanangna tcaaacaagc ngggcctcga ccaccttggg cacatatccc nanggacatc    660
annctggagg ctngngncac tggcattggc cctnaccctn ggcaaaataa accttctaaa    720
attggnaaaa aanaaanaan aaaaacctng nncctntna naacnntacg              770
```

```
        <210> 3209
        <211> 727
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(727)
        <223> n = A,T,C or G

        <400> 3209
gtgatctttn tgagtggggg ccntnctngc tctannanat aggttnggng ggctagcgat    60
ttctacctgc gctactacgt agggcacaag ggcaagtttg ggcacgagtt tctggagttc    120
gaatttcggc ccggacggaa agcttagata tgccaacaac agcaattaca aaaatgatgt    180
gatgatcaga aaagagctta tgtgcacaag agtgtaatgg aagaactgaa gagaattatt    240
gatgacagtg aaattacaaa agaagatgat gctttgtggc ctcccctgat agggttggcc    300
gacaggagct tgaaattgta attggagatg agcacatatc ttttaccaca tcaaaaatag    360
gttctcttat tgatgtaaat caagtcaaag gatcctgaag gccttcgagt attttactat    420
ttggtacaag acttgaaatg tttagttttc agtcttattg gattacactt caagattaaa    480
ccaatttaaa ttgtatgttt tcaagctggt tgnatattta attaaaggga tgggaagggg    540
ttatttgtca tttacagtat tggggtttta tgaatgtgaa gcaaccaaaa aaaattnnaa    600
```

```
tgtaaaactg gaaaatagga aaattcatta ncagcttaat gggtatcctt acttgatncn    660
ctgggtttgg aagtccccac acacattaaa tctgtaatga aancncttтт ggttaaaatt    720
tctctat                                                              727
```

```
        <210> 3210
        <211> 744
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(744)
        <223> n = A,T,C or G

        <400> 3210
gnngctancc tttcctatta nnttgganct ntnttctntc tncangtanc nnntgcgntg    60
ncgaattcgg cacgaggatt ttcgaaactc ttcagctact tgcccttттт tatctgaaac    120
catcatacct tctgaaagaa aaaagcatat cttcattgac ataacagaag tgagatggcc    180
cagtcttgat acagatggta ccatgatata tatggagagt ggcattgtga agataacatc    240
tttagatggt catgcatacc tctgcctgcc cagatctcag catgaattta cagtacattt    300
tttgtgtaaa gttagccaga agtcagactc atctgcagtg ttgcagaaca aataataaag    360
ccccaaaaga taaactagtt gaaaaaactg gcaaatctg tatacgtgga aatttaccag    420
gacagagact gaagaataaa gaaaatgagt ttcattgcca gatcatgaaa tccaaagaaa    480
ctttaaagaa gatgagttgt gtaaatggaa ctgaagggag ggaagagctg ccttcgcctg    540
gtacaaagca cacatgtgta tacacatggg tcaagcagtg ctggtctgtg gctgcctgtc    600
cagangaatg gaaatatcct ttgnctttag cacttcattt tcataataaa atcagcaatt    660
tgtctaaaaa aaaananana aaaaaaactc gagccctnta naactntngt gaggccnant    720
tacgttgaat ccagacntga ttat                                           744
```

```
        <210> 3211
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3211
gtntgnnng nngttnnatt atatggntcg nctnnctcna nnancnangc ttgngctgac    60
aacttgattg ggttctcctt caggtttgaa gcgccctcna gaagtgtcta aaggagacag    120
ttgatagcca aacaacagtt ttggattcac tgactgatta tgaaagaagc agtagactgg    180
tatcaagaat cagtcagcaa ggaggccctc accagacgcc agtgccatgt tcttggactt    240
ctcagcctcc atattcatga actaagtttt tggaatcctt aggcttccac gtgtggaaag    300
cctgagctaa cctactggag gatgagccat cacctggagc agattcaggc catcctagtt    360
gaagcctccc taggccaagc aaccgtccaa ctaccagaca ttgaccattc agccttgaac    420
attcagcaca aagacaaaac agaccagacc agaagagtcc cacagaatag gggaaactat    480
tcagagaaaa cttaagccac taagttttat ggtgttttgt tcttgtagcc agaagcatag    540
gcatactggc caatacaaac cgaaatcctt ctaacgtant ggacccтттт caggccagca    600
tttттcccct tgaaaacctg ggagccttgt attccatctt attagcagaa gatcactttc    660
accaatggtt tgggctcttg atttggaatt gatgatgtaa tgagcctnta ttcnanatgn    720
gacttaatac ctctgcgaat tgactggatt ccn                                753
```

```
        <210> 3212
        <211> 763
```
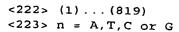
```
           <212> DNA
           <213> Homo sapiens

           <220>
           <221> misc_feature
           <222> (1)...(763)
           <223> n = A,T,C or G

           <400> 3212
ngggtgnnnn nntttctaat nctggggnnc nntnnncnnn ntttcctaat ncttaggngc      60
tcgttctttc tccangcagn nnngcgtttc gcgacagctc tccaatactc aggttaatgc     120
tgaaaaatca tccaagacag ttattgcaag agtttaattt ttgaaaactg gctactgctc     180
tgtgtttaca gacgtgtgca gttgtaggca tgtagctaca ggacattttt aagggcccag     240
gatcgttttt tcccagggca agcagaagag aaaatgttgt atatgtcttt tacccggcac     300
attcccttg cctaaataca agggctggag tctgcacggg acctattaga gtattttcca     360
caatgatgat gatttcagca gggatgacgt catcatcaca ttcagggcta ttttttcccc     420
cacaaaccca agggcagggg ccactcttag ctaaatccct ccccgtgact gcaatagaac     480
cctctgggga gctcangaag gggtgtgctg agttctataa tataagctgc catatatttt     540
gtagacaagt atggctcctc cgtatctcct cttcctagga gaggagtgtg aacaaggagc     600
ttagataaga cacccccttaa acccattccc ttttccagga gacctaccct tcacaggcac     660
aggtccccaa atgagaagtc tgctacctca tttctcatct ttttactaaa ctcaaangca     720
ntgacagcag tcagggacag acattcattt cttnatacct tcc                      763

           <210> 3213
           <211> 819
           <212> DNA
           <213> Homo sapiens

           <220>
           <221> misc_feature
           <222> (1)...(819)
           <223> n = A,T,C or G

           <400> 3213
gnagnncggn ttcttatgat cgtggctnct cntctanngg ttgtgtaatg ctnggtcnnc      60
angannnnnt gcgannccgaa ttcggcacga aggggggttc ccaatagtag aaaagggtcc    120
ccattcctgc tcagcaccgc acctctctac ccccccacag acacacatgc agacacacac     180
atgcagacaa cacgcagaca cacacatgca ggcactcaca tgcaggccca tgcacacaca     240
cgtgcacaca catgcagaga catgcagaca cgcaggcaca catgcacaca tgcaaagaca     300
cgcatgcagg cacacgcaga cgcacacaga gacacacatg cagatcacat gcacacacac     360
atacacacac tggcccctgt ttttctgtgg tgtcactggg tgccagcaac tcggtatctn     420
ccaccttcca ctaaaacctg ggccttaatt tctctcccgt ccccacccct aaattcctga     480
tggatgaacc tagagctgtc ctgtccactc caggccggac tgacgtancc tatgggccca     540
gcaggtccag ggcccacgtt ttaatttctt tttnaaaagc tttaggtctt ggccnggccg     600
ccggtggttc acgccttggg agttcccagc attttтnggg aaggccnaag gccgggttgg     660
attcacaaag gtcaagcaag tttcaaggaa ccaagccttg aaccaggcca ttgggtgagg     720
aaccctgggc ttnttactng ggnaaattcc caaaaaaaaa ttggccttgg gccnaagggt     780
gggcaagggc acccttgttg gggtccccaa antttacct                           819

           <210> 3214
           <211> 819
           <212> DNA
           <213> Homo sapiens

           <220>
           <221> misc_feature
```

<222> (1)...(819)
<223> n = A,T,C or G

<400> 3214

```
gnagnncggn ttcttatgat cgtggctnct cntctanngg ttgtgtaatg ctnggtcnnc   60
angannnnnt gcganncgaa ttcggcacga aggggggttc ccaatagtag aaaagggtcc  120
ccattcctgc tcagcaccgc acctctctac cccccacag acacacatgc agacacacac  180
atgcagacaa cacgcagaca cacacatgca ggcactcaca tgcaggccca tgcacacaca  240
cgtgcacaca catgcagaga catgcagaca cgcaggcaca catgcacaca tgcaaagaca  300
cgcatgcagg cacacgcaga cgcacacaga dacacacatg cagatcacat gcacacacac  360
atacacacac tggcccctgt ttttctgtgg tgtcactggg tgccagcaac tcggtatctn  420
ccaccttcca ctaaaacctg ggccttaatt tctctcccgt ccccacccct aaaattcctga  480
tggatgaacc tagagctgtc ctgtccactc caggccggac tgacgtancc tatgggccca  540
gcaggtccag ggcccacgtt ttaatttctt tttnaaaagc tttaggtctt ggccnggccg  600
ccggtggttc acgccttggg agttcccagc attttnggg aaggccnaag gccgggttgg  660
attcacaaag gtcaagcaag tttcaaggaa ccaagccttg aaccaggcca ttgggtgagg  720
aaccctgggc ttnttactng ggnaaattcc caaaaaaaaa ttggccttgg gccnaagggt  780
gggcaagggc acccttgttg gggtccccaa antttacct                         819
```

<210> 3215
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(844)
<223> n = A,T,C or G

<400> 3215

```
nggnnnttnn nnnnnatncc ntgatcgtgt ntcgttcttt ctncaggatn nnntcgtttc   60
gaattcggca cgaggaaaag ggagccgcgc agngcctacg ggagtncggc ggcagcagcc  120
ggtaccggca accacgggca gctctcaggg aatctccgtc gttgaggcca naggctccag  180
tccccgcgag tccagatgcc tgtccagcct ccaagcaaag acacagaaga gatggaagca  240
gagggtgatt ctgctgctga gatgaatggg gaggaggaag agagtgagga ggagcgganc  300
ggcagccaga cagagtcaga agaggagagc tccgagatgg atgatgagga ctatgagcga  360
cgccgcancn agtgtttcag tnagatgctg gacctggaga agcagttctc ggaagctaaa  420
nggagaagtt gttcaaggga acgacttgan tcanctgccg gnttgcggct tggaaggaaa  480
ntggggggc ttgaanaaga agcccctgga atnccaccgg aagccccctt ttggggggggg  540
gccttgcaaa ccgggaancc cttnaaagg aatttcngcc antttcaang gttgggccaa  600
ggggaatcnt accnaagggg ccttctnggc cttggnatgg tgaatccang gnaaattaag  660
gtncccaatt gntgaancct tccaanggga ancccaaacc agcacccttg naanaagttg  720
agaaaacttg cttgcntctt ntgacacccc tncnaggggg aacttcaagg aaccggttcc  780
tnaggcttgg aaggaggacc cccananccc tggancctaa attnttaaat gggtnggacc  840
accn                                                              844
```

<210> 3216
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

885

<400> 3216

```
gtntngnnng nngttnnatt atatggntcg nctnnctcna nnancnangc ttgngctgac    60
aacttgattg ggttctcctt caggtttgaa gcgccctcna gaagtgtcta aaggagacag   120
ttgatagcca aacaacagtt ttggattcac tgactgatta tgaaagaagc agtagactgg   180
tatcaagaat cagtcagcaa ggaggccctc accagacgcc agtgccatgt tcttggactt   240
ctcagcctcc atattcatga actaagtttt tggaatcctt aggcttccac gtgtggaaag   300
cctgagctaa cctactggag gatgagccat cacctggagc agattcaggc catcctagtt   360
gaagcctccc taggccaagc aaccgtccaa ctaccagaca ttgaccattc agccttgaac   420
attcagcaca aagacaaaac agaccagacc agaagagtcc cacagaatag gggaaactat   480
tcagagaaaa cttaagccac taagtttta t ggtgttttgt tcttgtagcc agaagcatag   540
gcatactggc caatacaaac cgaaatcctt ctaacgtant ggaccctttt caggccagca   600
ttttttccct tgaaaacctg ggagccttgt attccatctt attagcagaa gatcactttc   660
accaatggtt tgggctcttg atttggaatt gatgatgtaa tgagcctnta ttcnanatgn   720
gacttaatac ctctgcgaat tgactggatt ccn                                753
```

        <210> 3217
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 3217

```
ttggantctt ctcngaaacn cttngcnatt gcnctntctg naggatccca tcgattcgaa    60
ttcggcacga ggttcttcaa agccaaccaa gacaggcttn tnagttttag agcttcagaa   120
caaattgcca aaagccagag ttgtttatgc tagtgcaact ggtgcttctg aaccacgcaa   180
catggcctat atgaaccgtc ttggcatatg gggtgagggt actccattta gagaattcag   240
tgattttatt caagcagtag aacggagagg agttggtgcc atggaaatag ttgctatgga   300
tatgaagctt agaggaatgt acattgctcg acaactgagc tttactggag tgaccttcaa   360
aattgaggaa gttcttcttt ctcagagcta cgttaaaatg tataacaaag ctgtcaagct   420
gtgggtcatt gccagagagc ggtttcagca agctgcagat ctgattgatg ctgagcaacg   480
aatgaagaag tccatgtggg gtcagttctg gtctgctnac cagaggttct tcaaatctta   540
tgcatagcaa tccaaagtta aaagggtttg tgccactagc tcgagaggaa atcaangaat   600
ggaaaaatgt gttgtaattg gtctgcantc tacaaggaga agctangaac atttagaaag   660
ctttggaaag aaggccggng ggagaaattg aatgattttt ggtttcaact nccaaaaggt   720
gtgttgcnct cccttctttg aaaaaacatt ttct                               754
```

        <210> 3218
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
        <223> n = A,T,C or G

        <400> 3218

```
tggtgccggt tcttantctg ngctctcgtc ttccttctta tacctgggca ncncttggcg    60
gccccnaggn tcccangnag ccnngcngng ncngattcgg cacgagattc caaaggtttc   120
aaagaacttg gtcataaata tgataatgag aagacaaagt atttatatta aaacagttta   180
gtagccttca gttttgtgaa aatagttttc agcacagaaa ctgacttctt tagacaaagt   240
tttaaccaat gatggtgttt gcttctagga tatacacttt aaaagaactc actgtcccag   300
```

                                    886

```
tggtggtcat tgatggcctt tagtaaattg gagctgctta atcatattga tatctaattt    360
cttttaacca caatgaattg tccttaatta ccaacagtga agcactacag gaggcaactg    420
tggcattgct tccttaacca gctcatggtg tgtgaatgtt ataaaattgt cactcagata    480
tattttttaa atgtaatgtt atataagatg atcatgtgat gtgtccaaac tatggtgaaa    540
agtgccagtg gtagtaactg tgtaaagttt ctaattcaca acnttaattc ctttaaaatn    600
cacanccttc tgcctctgna tttggaagtt gtcagtncaa ctcatcaaag aaaactgcct    660
aatntnaaaa tcatattntg ggaataattt ccctcttttg tagtctgccc aagatcctta    720
aagattggat ttttattact atttaaacca gtggattaat n                       761
```

```
        <210> 3219
        <211> 813
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(813)
        <223> n = A,T,C or G

        <400> 3219
caaaanccct tttgnaannn nccnnagnnn tttnatnncc tnnttgcaaa tngcttggct     60
actcgttctt tctgcaggat cccatcgatt cggaattata gtattgacgt gaatcccact    120
gtggtataga ttccataata tgcttgaata ttatgatata gccatttaat aacattgatt    180
tcattctgtt taatgaattt ggaaatatgc actgaaagaa atgcggccca tttagaatag    240
ctcgtgttat ggaaaaaagt gcactgaatt tattagacaa acttacgaat gcttaacttc    300
tttacacagc ataggtgaaa atcatatttg ggctattgta tactatgaac aatttgtaaa    360
tgtcttaatt tgatgtaaat aactctgaaa caagagaaaa ggttttaac ttagagtagc     420
cctaaaatat ggatgtgctt atataatcgc ttagttttgg aactgtatct gagtaacaga    480
ggacagctgt ttttaaccct cttctgcaag tttgttgacc tacatgggct aatatggata    540
ctaaaaatac tacattgatc taagaagaaa ctagccttgt ggagtatata gatgcttttc    600
attatacaca ccaaaaatcc ctganggaca ttttnangca tgaatattaa acatttttta    660
tttcaagtaa ccttttcccc ctgtgtaaag ttactatggg ttggtggnac naactttcat    720
tctatagnat attaagtggg aaagtngggt gaaattctac nttttatggt tnggagtggg    780
cccaatgtct atcaaggagt gnacaaatta ann                                 813
```

```
        <210> 3220
        <211> 776
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(776)
        <223> n = A,T,C or G

        <400> 3220
taatgctggt tactgccctt caaatccttg caatcccttg gnaancggnc cngcngaccc     60
atcgattcga attcggcacg aggttatatt aaattattct ttgntnttct ttgtctttta    120
ataaagcctg caagttacta aattgnagtt ncataaattc tgtagtnaag tatcatcttg    180
gcagngtgcc aaaggtgaaa angntgcttn ctctaacaga gaaattctta gngactccag    240
tcgtanaaaa acgtctttac aacctgaata agatnganga attgngaaca taccatggcc    300
tattggatga atcatttgcc ggnggctana ncagactgta gggtttgtga tggatntatg    360
gagtatgtgg gtatagaaat catgaatntn ccatttgnnn ncagagattc aagcntanac    420
ttaatgggta gatcataaat gacagaatga attcaaaacc tagcacgtgc attgtaaatg    480
tgtgcccaga tatgtnttgg aaatggcagn tccttggggt catgtntcta ctggcaaaat    540
ttgctatagn gnnactattg nantgtaatt ataaaattna tcannattat ncaccgattn    600
```

```
gccaagtaaa ctgtactgtn cataggaatt ttgggaattg tgcanaaatt ggatcaattg      660
aanttnagaa cngatgtctg ggcttaaaaa tttatcnggg accacnnatt angaaactna      720
catntttcgg ngctgaggtt cattgnccaa ggccangaag gtntttnccg aaaanc         776
```

```
        <210> 3221
        <211> 715
        <212> DNA
        <213> Homo sapiens

        <220>              .
        <221> misc_feature
        <222> (1)...(715)
        <223> n = A,T,C or G

        <400> 3221
ctgctgtcaa ggcttgaaga gccggcacac tcaatggcaa acacangcac cgagtctgct       60
ctgaatcctg gaggatctgg ccctcctctc aacccccact cacagtcacc gtcttacaac      120
tcagggccac ctgggatcag tcatcagtca gggtgcgtaa gccttgaata ccaggtagcc      180
tcaggagtga aaagataaat gtcctagatc attaccttat tcagtgtccc caccttgcag      240
cgcattccaa ccacctggga gcatttaaaa ctccagatgc ccacaccaca ccctggggcc      300
acccatcaga ccttctggaa gcaagacctg ggcctccatg gccccaaaaa ctccctaggt      360
gatccgatgt gcagccaaat ctgagaggcc ccatttnaaa aaganagaac atgggtggta      420
cattgaggag tatttacatt ttataaaatg acttaaaaat ttnaaggcat tttttgagca      480
tttncaatta tatggaagna gttactttta cggaatagtt nttgctcatg gaactcanaa      540
cagatgaagc accactgtta cagaattaat gtgctccaga atgaaaatgg tctcgtttct      600
ngtgaatttc aatggaagaa gcncnacatt tcctnaagaa ttcttttgag cccagtaatt      660
cantcctggc tcaaaaaaan gntnnttngg cattttccta acatctggac caaag          715
```

```
        <210> 3222
        <211> 715
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(715)
        <223> n = A,T,C or G

        <400> 3222
ctgctgtcaa ggcttgaaga gccggcacac tcaatggcaa acacangcac cgagtctgct       60
ctgaatcctg gaggatctgg ccctcctctc aacccccact cacagtcacc gtcttacaac      120
tcagggccac ctgggatcag tcatcagtca gggtgcgtaa gccttgaata ccaggtagcc      180
tcaggagtga aaagataaat gtcctagatc attaccttat tcagtgtccc caccttgcag      240
cgcattccaa ccacctggga gcatttaaaa ctccagatgc ccacaccaca ccctggggcc      300
acccatcaga ccttctggaa gcaagacctg ggcctccatg gccccaaaaa ctccctaggt      360
gatccgatgt gcagccaaat ctgagaggcc ccatttnaaa aaganagaac atgggtggta      420
cattgaggag tatttacatt ttataaaatg acttaaaaat ttnaaggcat tttttgagca      480
tttncaatta tatggaagna gttactttta cggaatagtt nttgctcatg gaactcanaa      540
cagatgaagc accactgtta cagaattaat gtgctccaga atgaaaatgg tctcgtttct      600
ngtgaatttc aatggaagaa gcncnacatt tcctnaagaa ttcttttgag cccagtaatt      660
cantcctggc tcaaaaaaan gntnnttngg cattttccta acatctggac caaag          715
```

```
        <210> 3223
        <211> 786
        <212> DNA
        <213> Homo sapiens
```

888

```
        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 3223
ttgtgaancc cttttganac ccntttgcta cttgctcttt ttgntggatc ccatcgattc      60
gaacgttccc ccgctacata gtctttcttt tgtgttattt agtttaccat ttctttttc     120
catcttgtta taacctccac gagttgtgtc tctttttgttt tctacattat acccaacggc    180
tagcacataa caggcaccca atatatactg aacgaactaa ggaatgaatg aaggaatgaa     240
tgaataggtg gcttatagga aacccctggg gccagggact ctgcaacatc accatgtaac     300
ttttttcttg tgctgagaag cagagagaaa caatagaaga tatctcttaa tctctcaagg     360
atgctactcc caggactgct tgcaatttcc gaggagataa gccacaagtt acagaaagga     420
agcagctgtg tagggcctgc aagtttcctg ctgcaagtca ccctatgttc agaagttacc     480
ctggctgggc caggcatggt ggctcacgcc tgtaatccca cactctgggg aggctgangc     540
aagtggattg cttgagtcca ggagttttga accagcctg ggcaacatgg agaaacccca     600
tctatcaaaa aaattanctg ggtgtggtgg catgaagcct gtaatcccca gcttccttgg     660
gnaaggctta angtgggnag aaatnaccct ganccccang ggggtcaaag gctgntnntt     720
aagccaagat cacngccnac tggaccttna agccctnggg caaacccnna attnagancc     780
ctntct                                                               786
```

```
        <210> 3224
        <211> 769
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(769)
        <223> n = A,T,C or G

        <400> 3224
ggatctttta tncctttgna atcccctnnc tttggcnaat cgcccgaatt cggcacgaga      60
gttggagaac attatgctgg agagagnttt tnaagaaagg gagatgttgg aaacttcnca     120
agctgctgct ctgtttctgc ccaaccgcat ggtgcctgga cctgactaca attcctacaa     180
aagtgcctac agccccagcc cagtggaacc accaagcaag gacttctgta attntttgcc     240
cacctgcctt gatttaacca tgcagtattc agggtctggg aatatggaac taatttcttc     300
taatgtcagc gtggccacaa cttatagaca gtatcccttg tcctcaagat ttttaagttt     360
ggcccaagtg tggccccatt agcgacaccc tcctctacca gcaatgcctg ctaaatgcca     420
ccacctcagt tcaagccctg aagcctgggg ccagctggga cttgaaggga gcacgagtcc     480
aggatggact cagtgcatag caggacatga tgccatnnaa attggaaggt tccctggtgc     540
tgcctcacac ttcctgagat ccagaccacn agaaagtgac cttcanggtc atcangctgt     600
cccagagagg tccgcgttnt tccnaccccg accgggaatt tctcttccca ttgttgacac     660
cngacttccn tggcancttc aaaggggcat tntcttaacc gaagattcan nnaaanctaa     720
acaccanngc acccctttgg cnacttaanc cattaaatcc aattccncn                769
```

```
        <210> 3225
        <211> 915
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(915)
        <223> n = A,T,C or G
```

```
      <400> 3225
gnggaggggn gggaagnggg gngcagnnnn ncnaaaacnn nngcacanca ancncnnang      60
aacncnnnca gnncncnncg nanacancaa ngngnaaccc tttcaaancg cttggcaaat     120
cgcncncgct gnaggaccca cganncgcac ccagccnnct cctccaacgc cctnnngatc     180
caagatngag taagagacat nggcagatgc ngagaaggnc aacccaatng tnnnaacttg     240
cagaccgagg gggagatggg ntncagtctg cacatgactc gagcacagnc cccccacccc     300
acccngactt anaaaatcca aaccgactac aagaccagaa acaaaccaca tgccagtcgc     360
ccccttgact gtacacacat gnggagnnca gagccaccca tngagagagg ctgctcagct     420
cagcaccctg ngcanggctt cctagaacta ncncagancg ggggannccn tancccgtat     480
tcngggnagc tgacnacagg atgcacgnag tgaaacccan gggttagggg agaggaccca     540
ccctggnaaa aagccacgta aaatggnacn ancnntccan ggcanccang gnccnactac     600
antcncnagc acctccgngn cncaanccgn antcnngaga aanngnntan nncncangag     660
nnncccggan nncngnaatg gccagnnaag ctgnnncccn cnggaacnag nnaacgnnnn     720
ggcntatcca nngtcgacnc ctnccnggnc gccanctccc aaangncncg aacgaggcnn     780
ngncagaana nctctgttaa aagaacaccg ancaggcnaa ggccnccact tgananncct     840
cnaggnancc gggnnggaga aanctnanaa ngantatnan actnggnaac nnnnanagcc     900
tctaaaaaaa aaccg                                                     915
```

```
      <210> 3226
      <211> 769
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(769)
      <223> n = A,T,C or G

      <400> 3226
agnntnnttn nnnntataaa ncctntggaa ctncctcttt nngttgatcc catcgnantcg      60
aattcggcac gaggcaaggt tgtgacattg tcactttttt gttctagact cttttaaatt     120
ttctgcattt gcctgaaaag caccccgta agaatagatt tctcatggct ctaaaaatta     180
ttcccaagaa tnccntactt ggttcaaaag cagactgttt ctcttcattt catctcaaat     240
cagacttctg ggcaagatgt tctttagagt aagcaaacct acaacctaaa aatctcttca     300
agaggcatct ctggtcttgt dacaagacct cttcaaaaac ccacagtaaa actcccctcc     360
ctccagttgg ccaccagtct gccaccaaac atgaacaaat tctgctgcta atcggtttcc     420
cttgtgatct ggttcctgag gtcttcggat ctgtgcaatg aattatttat tgntttatta     480
aaccgacagt ggtgtcccag agaggaacca taaataaaat ggaaatctgg tgctgtgata     540
aagtaataac tagcattaat gagacctggt tttcctttca gaaagtccag tatacctgta     600
acaaaggtta aagcaattta tatttaattt gcattctgat gttaacattt aaacagcaat     660
tctnacaaaa aatgcatcga gtctaattct tacctctatc aaaaaacaac tgnntaaatt     720
tatgaccaac atttaaacna aaaccaaaat ggaaaatttt cttttttnnn                769
```

```
      <210> 3227
      <211> 778
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(778)
      <223> n = A,T,C or G

      <400> 3227
atcnatccnt ttctttatag cttngttnct ngttctntct gcaggatccc atcgattcgt      60
tagtgtactg gatgtcaggt ccctcaaaga ttccttggac cattttcatg tgaatgaaga     120
```

```
agaaatcaat tgtctttcat tgaatcaaac ggaaaacctg ctggcttctg ctgacgactc    180
tggggcaatc aaaatcctag acttggaaaa caagaaagtt atcagatcct tgaagagaca    240
ttccaatatc tgctcctcag tggcttttcg gcctcagagg cctcagagcc tggtgtcatg    300
tggactggat atgcaggtga tgctgtggag tcttcaaaaa gcccgaccac tctggattac    360
aaatttacag gaggatgaaa cagaagaaat ggaaggccca cagtcacctg gtcagctctt    420
aaaccctgcc ctagcccatt ctatctctgt ggcttcgtgt ggtaatattt ttagttgtgg    480
tgcacaagat ggtaaggttc gaatctttcg ggtgatggga gttaagtgtg aacaggaact    540
gggatttaag ggccacactt cangggtatc ccaagtctgc tttctnccag aatcctattt    600
gctgcttact gganggaatg atgggaagat cacgttgtgg gatgcaaaca gtgaaanttg    660
agaaaaaaac cagaagaagt nccacaaaaa ccgtaccccn caggaaggaa aaccctaaaa    720
ananggaacc ttgcacccna nccngggntn ggaaaatacc taacccnttt nntnacct      778
```

        <210> 3228
        <211> 813
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(813)
        <223> n = A,T,C or G

        <400> 3228
```
caaaanccct tttgnaannn nccnnagnnn tttnatnncc tnnttgcaaa tngcttggct    60
actcgttctt tctgcaggat cccatcgatt cggaattata gtattgacgt gaatcccact   120
gtggtataga ttccataata tgcttgaata ttatgatata gccatttaat aacattgatt   180
tcattctgtt taatgaattt ggaaatatgc actgaaagaa atgcggccca tttagaatag   240
ctcgtgttat ggaaaaaagt gcactgaatt tattagacaa acttacgaat gcttaacttc   300
tttacacagc ataggtgaaa atcatatttg ggctattgta tactatgaac aatttgtaaa   360
tgtcttaatt tgatgtaaat aactctgaaa caagagaaaa ggtttttaac ttagagtagc   420
cctaaaatat ggatgtgctt atataatcgc ttagttttgg aactgtatct gagtaacaga   480
ggacagctgt ttttaaccct cttctgcaag tttgttgacc tacatgggct aatatggata   540
ctaaaaatac tacattgatc taagaagaaa ctagccttgt ggagtatata gatgcttttc   600
attatacaca ccaaaaatcc ctganggaca tttttnangca tgaatattaa acatttttta   660
tttcaagtaa cctttccccc ctgtgtaaag ttactatggg ttggtggnac naactttcat   720
tctatagnat attaagtggg aaagtngggt gaaattctac nttttatggt tnggagtggg   780
cccaatgtct atcaaggagt gnacaaatta ann                                813
```

        <210> 3229
        <211> 818
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(818)
        <223> n = A,T,C or G

        <400> 3229
```
gnnnnnnntt nnnnntttgc aaatnccttn gnaaannncc nagnnntttn anncnttntt    60
tcnaatnctn ggctactngt tcttttttgca ggatcccatc gattcgaatt cggcacgaga   120
gnaatcaata tcttgaaaat ggccatactg cccaaagtaa tttgtaggtt cagtgctata   180
cccatcaaac tatcattgac tttcttcaca gaattagaaa aaactacttt aaatttcatn   240
tggaaccnaa aaaagagccc atatagccaa gacaatccta agcaaaaga acaaattttg    300
aggcatcatg ctacctgact tcaaaatata ctacaaggct acagtaatga aaacagcatg   360
gtactggtac caaaagagat atatagacca atgaaacaga acagaggcct cagaaataat   420
```

                           891
```
BNSDOCID: <WO___9938972A2_I_>
```

```
gccatacatc tacaccatct gatctttgac aaacctgaca aaaggaatgg ggaaaggatt    480
ccctatttaa taaatggtgt tgggaaaact ggctagcctt atgcaggaaa ctgaaactgg    540
acccctтcct tacacttтat acaaaaatta actcgattca ttaaagactt aaaagtaagt    600
tctcaatgta taaaaaccct ggatgaaaac ctaggcagtc cattcaggac atagcatggg    660
caaatacttc atgactaaaa cacccaaagc aatgtcaacc aaaagccaaa attgacaaat    720
gggatctaac ctaaactaaa aaacttggtg tgcagtttta ttttgggant gtgtgtgggg    780
gtacctctga gttttcaaaa aatgaagaaa gtaagtcc                           818
```

```
        <210> 3230
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3230
gnttgaannc ccttngnntt caaatngatt gttactngcc ttntgcagga tccctcgatt     60
cgaattcggc acgaggatag cttaaagcaa gtttacaagt aattaaaatg gacagtttgc    120
cattaaagat ttttaatagt ggttttgcag tgtactggct tgaatttтct ggacttgagt    180
taactgaagg agagcctcaa acnntagtaa cttcattttt aaaagttact agaatttggt    240
atcctgattt atattgcagt gtttcaaagg tgtcactgtc agacaaatag aaacactgcc    300
aacttggtgt aacttaagct ttcatttaac taaaacattc ttttcttgca aaacttattt    360
ttcatgatca tttttggtta tttattatac ttgattccaa aatagtacag ccttgaatct    420
ataaaactgt gcagtcatta tgccagaaat tatcttaaat atataatggg tcaccttgct    480
gttcaaaggg tggtgcaagg tcctgcagca tcttacatct gtagcttgtt agaaatgtaa    540
actctcaggc cccacaactt acttcctgca ttttaacaag atccccaagg gatatgtatg    600
ctcataaaaa attttgagac actggtttaa atggaaaatg gatataaggn atgtataact    660
ggggggtggg gtgagggtag gaaggcattt accaactnag atttтатtтa ttttтgaaat    720
taatcaattg gnttaaatcc taatttattт acccaaatag gggtctttta aaaaaatatt    780
ttttattcc                                                           789
```

```
        <210> 3231
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3231
gnttgaannc ccttngnntt caaatngatt gttactngcc ttntgcagga tccctcgatt     60
cgaattcggc acgaggatag cttaaagcaa gtttacaagt aattaaaatg gacagtttgc    120
cattaaagat ttttaatagt ggttttgcag tgtactggct tgaatttтct ggacttgagt    180
taactgaagg agagcctcaa acnntagtaa cttcattttt aaaagttact agaatttggt    240
atcctgattt atattgcagt gtttcaaagg tgtcactgtc agacaaatag aaacactgcc    300
aacttggtgt aacttaagct ttcatttaac taaaacattc ttttcttgca aaacttattt    360
ttcatgatca tttttggtta tttattatac ttgattccaa aatagtacag ccttgaatct    420
ataaaactgt gcagtcatta tgccagaaat tatcttaaat atataatggg tcaccttgct    480
gttcaaaggg tggtgcaagg tcctgcagca tcttacatct gtagcttgtt agaaatgtaa    540
actctcaggc cccacaactt acttcctgca ttttaacaag atccccaagg gatatgtatg    600
ctcataaaaa attttgagac actggtttaa atggaaaatg gatataaggn atgtataact    660
```

892

```
gggggggtggg gtgagggtag gaaggcattt accaactnag attttattta tttttgaaat        720
taatcaattg gnttaaatcc taatttattt acccaaatag gggtctttta aaaaaatatt        780
ttttattcc                                                               789
```

```
<210> 3232
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 3232
ggnnttnaan nngctctact gaatgccttt ggaaaggccc ccatcgtttc gaatncggca         60
cgagctttag ttcagataaa ggaaacatcc aaaaatactg agattagtaa aattttattc        120
aaagtaggtt ccngctttgt cttgatctca atccattcta actcctgatg tcatttaccg        180
tgtgagatct tanncacaat catgaaaaga atatgagcat ttatcaaaac tctctgacat        240
ctgtatgttt agaaatgaac ttacacagca aaatatgatt tccttgcact tatttaattt        300
ttctaacttc aatttctacc tatgtgtctc tgccagtttg acctgattca gacacccaga        360
acttgaataa agaagccctc ttctattttc attcttaatg aatatacctt ttcccatgtc        420
cacattgagc ctcccttctg ngtactctgt ctaatgcagc cacatgtcta gttccccctc        480
tctgtcacca ccctcacttc ttctttccca tcttcttact tctttggtgt gacctcttgt        540
aggacaacat gccatttctg attccccaca cacataccct atcattgata cctaccctca        600
ggattagatt ctgtctaagt aatttgtaga gccatcaggc ttnantaagt attgggactg        660
caagtcaaca cccattatct catcaaaang ggatgctgtg ttggggccag anggagaaan        720
gagagagaga gactnanaga gagangnccn ganagagagn aagacn                      766
```

```
<210> 3233
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(831)
<223> n = A,T,C or G

<400> 3233
gaancccttg gntttgangc cattttaat nccttggnnt gnnccctcga ttcgnnccgg         60
cncnaggctc ngtacagatg nntcttatcc tgacntnacg aangncttaa ctgncnnntn        120
tatggtgacn gtnnntgagg cngnatgncn nggancanan nctnaanctg aaaggnacct        180
agtgacgann gctncgnnnt ccctntgcaa actggatacg gtannggaan agggagcctc        240
tgtgataaac gagacgagga ggaactcncn gacatatgag ctcaccacca cactaaaggn        300
actgtgcatg nctgctgacn gggttcnata gcgctcaang accagnatng acnnggacga        360
tgagttaatg ggnactaggg cncaantgtg cgatcanaga annttcncna agctcngcnc        420
atccttggan aacnntttgc tttanaacan cnnccttncg tgnctacnca cancctatgc        480
nacagactnn atnacctgaa caanggttta ctcaagnnag acngnnnncc tacgnncanc        540
ttagnnncca gggaaccnnn ntgncnttac aangtngntn nangtcctna gntgagcata        600
cnacccagnt ggganctnct gacnagtttc ctncanactn gtcnccngag tgggaacggc        660
caagatnaac ccnnngccaa aacttnttac gacnttggnc nnttcaaaga tcaaggggggg      720
natttaanaa ctngaancct ntannccnnt tcnnaanntn cttttgnnga cnttagnana       780
ngggntganc ccgggcnatn tntcaaaaat ccttnttant tcaccnntgc c               831
```

```
<210> 3234
```

893
```

<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 3234
```
gnnntttnnn nnnnnnnttt ncaaatcgct ttggctactn ggntcttttt gcaggatccc    60
atcgattcgc agaggctttg ctagtatcct tcaaccaatt tctagtaaaa atatcctata   120
taaccataat tatcaaaacc agaaaaacaa cattggtagg atactataaa gtactaatct   180
tattttggat ttgacgaatt cctacatgtt tntttctttt ttagtttgta ctctaagaag   240
ttgtattaca tgtacagatt cgtgtaacca ctgcaaccac ataaaactaa tgaacacaaa   300
gtccctcatg ctaccttttt atgcttacac tccatccaaa cctaactctg ccaaccactt   360
ttctcctatc agtataattt catcatttca tgaatatgat aaaaataaaa ttgttttgt    420
aaatggtttt tataaatttt atataaataa gttatatgaa tttttattga tagagagtat   480
gtaagctttt ggcattttg tcactcagca aattactcct aaggtttata tgagttgatg    540
aatagttgnt ttattatttt tttttaccac catgtatcta accagatgaa agttgtttat   600
atttgagagt agtatacata tttgatgtag tagtttatcc atttcaccta tgagatatat   660
ttgcactggt tttcctgggt ttaagtgctn taaataaaga tgctgtgaaa tctaaaaaaa   720
naaanaannn nnnnnttnnn nnannntngn natatnataa nnnnnnnccn nn            772
```

<210> 3235
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(790)
<223> n = A,T,C or G

<400> 3235
```
tccaaaatnc ccttggantn attcccccttt ncaataccttt tccttngnac actcccngtt    60
tngntngatc ccatcgattc gaattcggca cgaggnaaca aagaaggaat gtcttcctca   120
tgtttnggtc tatagaagac gttaaagaaa acttccagaa agtgggtttg aggcatgagc   180
caccacgcct ggccaaagga tttaatgaat taatggatgt acagtgctgg ggctgttatt   240
ctagggcctg cattgagact cacattttgc catcaaaagc cttttaagag gtggaggttg   300
cggtgagctg acatggtgcc actgcactcc ggcctgagtg acagagtgag actctgtctc   360
acaaaaaaaa taatgccctt taaataatga ataatagtga tagaaaatgt catttcttgg   420
acaaatgaaa aattgaaatt aatgtatata attagatatt attagctact cttaggtagc   480
ttcatttgtt gaaagtttga caagtgaatg aagttcacat ctggaaatcg ttgaacattt   540
ttcgttcatg gaactcaatg gctacgttag tcgtttatgc ttttcactgt tgtggtaggg   600
gctttggaaa gtnaatgcca tcaacaatgg atacagaang acctggattt ggaataaggg   660
caaaaattta ttttgatggg gctgaattgc tctgccaggg agcattttgg gtattgagat   720
gaaaatggcc tctctttgag actgagctgc cacctggcaa attattgnct gcttaanggt   780
tctctttatn                                                            790
```

<210> 3236
<211> 781
<212> DNA
<213> Homo sapiens

<220>

894

<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 3236

```
aanccccttt tnnangcgnt tccntncanc tnaaancgnt tgnaactcnc nctntctgca    60
ggatcccatc gattcgctaa caagcgattc taaaccacct atgagtattt cttttagggc   120
tcacttaaat acatgtttgt atatactgta ttctagccag aataatttta gatctgatca   180
ggtagtagct aaaattagaa aaaaacaaaa tagatgctta aagaatttgc atccattttt   240
gagtctaaat cttttaaaat atactgagat ccacatctag tgaaatgtca gtgtcaaaat   300
attatagatt atagctaaaa tccagattaa tactcatttg gggtttttta tagtggaact   360
tcatagtaat acaaaaagca gattgtcttc ctgtctccgc tgctcccaca gtaggtattg   420
aaactggtaa aatcagtttt ttgatantgt gtgtatataa gaaaaaatag atacacacat   480
tcttttttct cagtcaacac attgattgaa cactctggca aagatgctgt ggtggatgan   540
gttggagttc gaaagaagaa gcaagcgctn gcctgccttg aaagaaccga agtctttccc   600
attcacttct ctagaaagct gccaagacag aagcagaaag aaatgggatg atagttctgt   660
caaagcacac ttctggnctc ttagaacctt agaagtgntt ctaagagaac agaagttatt   720
aagaagaaac nagntacgtg tgggaattca acaaccttng ggtnggaacc cattggcttn   780
t                                                                 781
```

<210> 3237
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 3237

```
gtnttnnntt tctttctaat agcttggata ctcgttcttt ntgcaggatc ccatcgattc    60
gaattcggca cgagccaaaa tggggtgggg ccgcagtggc tcacgcctgt aatcccagca   120
ctttgggagg ccgaggtggg cggatcacga ggtagggaga tcaagaccat cctggctaac   180
acggtgaaac cccgtctcta ctaaaaatac aaaaaaaaaa caaaaaaaac tagccaggca   240
tggtggcagg cacctgtagt cccagctact cgggaggcag aggcaggaga atggcgtgaa   300
cctgggaggt ggagcttgca gtgagccaag atcgtgccac tgcactccag cctgggtgac   360
agagtgagac ttcgtctcaa aaaaaaaaag aaaataggca caataagtaa tacatttctg   420
cccaagtaag agccttccct tttgtggatg taatgaaaat atcttcaagc actttataaa   480
tnaattatat gtctgatact agccttccat tgcctggatc acatctgatt gtcctggtaa   540
tttnagaaaa gggtagcccc ttggtatgga tagtagcttg atgacatgga attcagggaa   600
aagactatga tggtgtcact tgtaactgct tttgtgctgt aaaattgtca tngattaaag   660
aanaanaatt ngcttggntg cngtggctta cacctntaat cctancactt ttnggaagcc   720
aaataangga cttgnttgga nccangantt tcangaacaa cctg                    764
```

<210> 3238
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 3238

```
gtnttnnntt tctttctaat agcttggata ctcgttcttt ntgcaggatc ccatcgattc    60
gaattcggca cgagccaaaa tggggtgggg ccgcagtggc tcacgcctgt aatcccagca   120
ctttgggagg ccgaggtggg cggatcacga ggtagggaga tcaagaccat cctggctaac   180
acggtgaaac cccgtctcta ctaaaaatac aaaaaaaaaa caaaaaaaac tagccaggca   240
tggtggcagg cacctgtagt cccagctact cgggaggcag aggcaggaga atggcgtgaa   300
cctgggaggt ggagcttgca gtgagccaag atcgtgccac tgcactccag cctgggtgac   360
agagtgagac ttcgtctcaa aaaaaaaag aaaataggca caataagtaa tacatttctg   420
cccaagtaag agccttccct tttgtggatg taatgaaaat atcttcaagc actttataaa   480
tnaattatat gtctgatact agccttccat tgcctggatc acatctgatt gtcctggtaa   540
tttnagaaaa gggtagcccc ttggtatgga tagtagcttg atgacatgga attcagggaa   600
aagactatga tggtgtcact tgtaactgct tttgtgctgt aaaattgtca tngattaaag   660
aanaanaatt ngcttggntg cngtggctta cacctntaat cctancactt ttnggaagcc   720
aaataangga cttgnttgga nccangantt tcangaacaa cctg                   764
```

```
        <210> 3239
        <211> 768
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(768)
        <223> n = A,T,C or G

        <400> 3239
atggctttgg nnagntccnn ntctttcaaa tncttggcta ctcgntcttt ntgcaggacc    60
catcgattcg aattgtaact tattccagga taaatgtcat atgcatatga ttttcatatg   120
actttgatga gtatcttcag ggaaaattcc taaaaatgaa attgctggat taaggggtaa   180
atgcatgtat agttttgtta dacagggcca catacccttc cttagaggta gtacccattt   240
gtattcctgc cagtaatata tgagagtcca cagagtatgt ggttaagctt tagaatgctt   300
gtccatctga tagggaagaa atcgtgttgc cttaatttgc ccttctttta ttatgaatca   360
gattttaatc ttttgcctct agaactatag tgagtcgtat tacgtagatc cagacatgat   420
aagatacatt gatgagtttg dacaaaccac aactagaatg cagtgaaaaa aatgctttat   480
ttgtgaaatt tgtgatgcta ttgctttatt tgtaaccatt ataagctgca ataaacaagt   540
taacaacaac aattgcattc attttatgtt tcangttcac ggggaggtgt gggaggttnt   600
tttaattcnc ggccgcggcg ccaatgcatt ggggcccggt cccanctttt gttccctтta   660
tgaggggtta attgcgcgct ggcgtaatc atggtcataa ctgattcctg ggtgaaattg   720
tatcccgctc acaattcccc accaacatcc anncccggga gcataaaa             768
```

```
        <210> 3240
        <211> 957
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(957)
        <223> n = A,T,C or G

        <400> 3240
annggagacn nnngngnann gnggggggnnn acnnngaaan ncnnananan acacannann    60
nannnnngag gggcaacaaa cncnnatttt cgaaaancc ttttgggngt gaccccnttc   120
naacacttgc ttntcgccct ntgcaggatc ccancgnann cgaaggnggc ncgaaagcac   180
ggngtcccna nnngatgngn aaanatgacc gataaacttc ngggncngat aatgaanggc   240
actatnggnc atactgatgc tgnctcatgg gcnctaccan agacgngaac tggaaaaggc   300
tctgcagngt ctgggatacg ctcagtgctg cangggaggg caggngtgag gggaatggcc   360
```

896

```
ccggganggtg atggggcnng ngcatccgat gcagcnntat agctctgnaa ttaccacttn    420
caaacttntn attacgaaaa atgtcaagga cccnggaatn acaagngagg naggcaggat    480
aatggccccc aanatgcccn tgttgagacc cccanacctt gagagtgcct cacatgggga    540
agactgtcct acgtcancnt gcacgcccan ggcagcccca ngggcccta aagcttgaga     600
gccttncctg ctgagacnga ganatgccag aagcaaggag aggcnagaac ccgaggaggg    660
cccgcancct gcccngnatg gcccttagaa ggaagggccc naannagcgt ggtggccccn    720
ctaaagcaan ctgngngacc nggggggacc ctnangtacc caangcccct gcaaagcaaa    780
acccngaaat ttccnggcca aaccanacac ccccaangga atgngaangg aaanngngaa    840
aaggnacncc cctngaccnn tgggccaaaa acccccttgga acccccctga aaccttcnac    900
cnaaaatngn gtnaaancnc ccgcganngn gacttnagtg ngcaagcaca canccccc     957
```

```
        <210> 3241
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3241
ntgtaancct tttcaaatcc cttggctact tgntctttct gcaggatccc atcgattcga     60
attcggcacg aggccggacn gtgactctgg nnacgcttgc gnccntacg tagntngnng     120
accntgcang anggaanaan ggctggccnn cngntgtacn ctnaccgtcc taaccccgcg    180
aggtccaggn ccgctccttt cggngnggat tctcgcggaa natccctccg gcagctcttt    240
gcaaagctgn ttagaaactt ctcccaaact cggcntggat acgactgcta tagggctcgc    300
tgctgctttt gtggagctct tgctcctcta tccttggcct ctcctgggat acggcccaag    360
gccaagtntt cacgcangtt ggtacgctta tttcgttctg gactctgggg gctntgaann   420
ttcaccacgt ggactgctgg ggancgggnt nccgancact ngnntacctt acnccanaat   480
ctgacaactt ttctggacaa cctacccanc ttcaattggc tngngagcnc ntcngntgct   540
ggggnntncn gtgcaaatgg agncncaatt ggtgggcaaa tngttgatgg ncaaaacggg   600
aaaaagcaac nnncaangct tttggctnaa agccgatang acncaaatta nttncttgg    660
accttganaa tttcctcaan nnttttnagn anncnctttt ttncttggan aaanacttaa   720
aagtgaacga ttnttgggaa anaaacaaac tataataact naaagcttt ntaaaaaaaa   780
annaatnnt                                                           789
```

```
        <210> 3242
        <211> 804
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(804)
        <223> n = A,T,C or G

        <400> 3242
tcnaaatccc ttttgnnagn ttcncnctttt gtttcccttt nctnggctnc ttgttctttt    60
tgcaggaatc ccatcgattc gaattcggca cgaggtcctt ttgaaccacc ccaaagaact   120
caacatggca aagcaaatgg taaaagcttc ccgactgttc tactttgggt ccgcgcgaag   180
cccactcacg tgtgatctgt gttgccctg ggaggcccgg ggcgaccgga aaagggctct    240
ctcaagttct gaaaagagaa tctgccacca gatcgaattt cgacccctga gcttgttcgg   300
acgtatggtc caaattcaga ttaaggtggt cacccaaccc gagatgtcag gaaaggcctt   360
ctgcagagaa aatgtccccc cacccgccat ctgcagccag gtgtgtgcca cacggcagcc   420
ttcccgaaac atagtatgga ttttaaaaat gtgtttattt ttgtttctca accactttat   480
```

```
aacgtatttt ttaatttatt ttgtaatgtc ttgttttgaa gtattgctgc tatccttgnt      540
atccttccca ctgtttttat cactgattta ttttgtgaaa agttgtacac taatgttcta      600
tgtcaaaatc aaaaagtatt taatgaaata ctagttctat ttaatgtggg ntatggaacc      660
ancttggaaa cacaaaacaa acaggggatt gtacaagcan gcttggggcc caagnaaggt      720
caaggttcat ttggttacca tatgccnata aaacctcanc gaanttttaa aaaaaaaann      780
nnnnnnaaaa aancttggng ggct                                             804
```

```
          <210> 3243
          <211> 784
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(784)
          <223> n = A,T,C or G

          <400> 3243
ttcnaatngc ttgttcacgc cctttctgca ggatcccatc gattcgaatt cggcacgagc       60
ttctgttgat tggtttgttt aaagtaccta agtactacnc tttgactccc taccaaaagt      120
tcttttgttt tttaaacaac ttttatttgt gacttacttt cttgagaagt gttcttaatg      180
aattgcanna cccantggta gcagcttatt tcttaagtac tttattattt gtgctttacc      240
atttcaggtt cttatcttta acccttattt actcagtttt ccatctgaat gatcctatct      300
ctaaattaag gatttaataa atgctgcaaa ttgtccactt tgcaaattgt ccaaaagctt      360
tagttttgga accttgtgaa cttttttttt aataacacat tatttgggcc ggtcgtggtg      420
gctcaagcct gtaatcgcag cacttggaa tgcctaggca gacagatcac ttaaggcctg      480
nagttcgaga ccagcctggc caatgtggng agacctncgt nctatttact aaaaatacta      540
aaaaattagc aaggcatggt ggtgcacgcc tgtaatctna gctactttga gaggcanagt      600
tcaggagaat tgcttngaaa ccttgggagg cannagattg agcccaagaa ttggaccant      660
gganttccac ccctgggtga ccagagtgaa gaaatcttnn ctcaaaaaaa ccataaaaac      720
cctntnctnt aaaatnaaaa aaaactntga gcctttttat aacttnagnt ggagtcagga      780
atnc                                                                   784
```

```
          <210> 3244
          <211> 790
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(790)
          <223> n = A,T,C or G

          <400> 3244
tccaaaatnc ccttggantn attccccctt ncaatacctt tccttngnac actcccngtt       60
tngntngatc ccatcgattc gaattcggca cgaggnaaca aagaaggaat gtcttcctca      120
tgtttnggtc tatagaagac gttaaagaaa acttccagaa agtgggtttg aggcatgagc      180
caccacgcct ggccaaagga tttaatgaat taatggatgt acagtgctgg ggctgttatt      240
ctagggcctg cattgagact cacattttgc catcaaaagc cttttaagag gtggaggttg      300
cggtgagctg acatggtgcc actgcactcc ggcctgagtg acagagtgag actctgtctc      360
acaaaaaaaa taatgccctt taaataatga ataatagtga tagaaatgt catttcttgg      420
acaaatgaaa aattgaaatt aatgtatata attagatatt attagctact cttaggtagc      480
ttcatttgtt gaaagtttga caagtgaatg aagttcacat ctggaaatcg ttgaacattt      540
ttcgttcatg gaactcaatg gctacgttag tcgtttatgc ttttcactgt tgtggtaggg      600
gctttggaaa gtnaatgcca tcaacaatgg atacagaang acctggattt ggaataaggg      660
caaaaattta ttttgatggg gctgaattgc tctgccaggg agcattttgg gtattgagat      720
```

```
gaaaatggcc tctctttgag actgagctgc cacctggcaa attattgnct gcttaanggt      780
tctctttatn                                                             790
```

```
        <210> 3245
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 3245
gnnttttcta aatcccnttt gcnttactcc ctctttcaaa tcgcttggct acttgcnctn       60
ntngntttgc aggcatccca tcgattcgaa ttcggcacga ggaacaaaga aggaatgtct      120
tcctcatgtt tgggtctata gaagacgtta aagaaaactt ccagaaagtg ggtttgaggc      180
atgagccacc acgcctggcc aaaggattta atgaattaat ggatgtacag tgctggggct      240
gttattctag ggcctgcatt gagactcaca ttttgccatc aaaagccttt taagaggtgg      300
aggttgcggt gagctgacat ggtgccactg cactccggcc tgagtgacag agtgagactc      360
tgtctcacaa aaaaataat gcccttaaa taatgaataa tagtgataga aaatgtcatt      420
tcttggacaa atgaaaaatt gaaattaatg tatataatta gatattatta gctactctta      480
ggtagcttca tttgttgaaa gtttgacaag tgaatgaagt tcacatctgg aaatcgttga      540
acatttttcg ttcatggaac tcaatggcta cgttagtccg tttatgcttt tcactgttgt      600
ggtaggggct ttggaagtaa atgccatcaa caatggatac agaagacctg gatttggaat      660
aanggcaaaa tttatttgat ggggctgaat tgctctgnca ggancatttg gtatgagatg      720 ..
aaatggcctc tcttgagact gaactgccaa cctggcaatt attggctgct aanggttctc      780
tttt                                                                   784
```

```
        <210> 3246
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 3246
gnnttttcta aatcccnttt gcnttactcc ctctttcaaa tcgcttggct acttgcnctn       60
ntngntttgc aggcatccca tcgattcgaa ttcggcacga ggaacaaaga aggaatgtct      120
tcctcatgtt tgggtctata gaagacgtta aagaaaactt ccagaaagtg ggtttgaggc      180
atgagccacc acgcctggcc aaaggattta atgaattaat ggatgtacag tgctggggct      240
gttattctag ggcctgcatt gagactcaca ttttgccatc aaaagccttt taagaggtgg      300
aggttgcggt gagctgacat ggtgccactg cactccggcc tgagtgacag agtgagactc      360
tgtctcacaa aaaaataat gcccttaaa taatgaataa tagtgataga aaatgtcatt      420
tcttggacaa atgaaaaatt gaaattaatg tatataatta gatattatta gctactctta      480
ggtagcttca tttgttgaaa gtttgacaag tgaatgaagt tcacatctgg aaatcgttga      540
acatttttcg ttcatggaac tcaatggcta cgttagtccg tttatgcttt tcactgttgt      600
ggtaggggct ttggaagtaa atgccatcaa caatggatac agaagacctg gatttggaat      660
aanggcaaaa tttatttgat ggggctgaat tgctctgnca ggancatttg gtatgagatg      720
aaatggcctc tcttgagact gaactgccaa cctggcaatt attggctgct aanggttctc      780
tttt                                                                   784
```

```
        <210> 3247
```

```
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 3247
gtttcnaata ncttgctttn nnnnnntctt caaatngttg gacccctgc aggatcccat       60
cgattcgaat tcggcacgag gtgtgcttgt gaaatgtcca ggcgtgtgca cagccagtgc      120
gcccacttcc gggctccttg ctccctgctg tactgaagtt ttggattttg catccaatcc      180
tgtgtgcctg cccttctgcc gaaggcttgt gaggggcctg agtcctctgc ccatcaggat      240
gacaggctcc ttcctgcagg gccatangag ggaagttttg gaaacacaga atgattccaa      300
ggtgctctcg ttcctgaggg ggactggttt gtaacccatg acatctgtgg gcgagagagg      360
cagctgggag cangacactt ggagggtcac cccacggggg tggcacctgc actctgagtg      420
cccccactg tcatcagctg cctcttaccg tggacacagt tntggttttg gggactangg      480
ggcccnactc ctggtggtac cgtttggact tactagggca gtgggacata tangcccggg      540
gctagtgnga taacggggag ttacncctga tgactntttt gatggaatcc tgcattagat      600
agcttngtgg gaccccccc ctcanaattt ggggaactga ngagaattcc nngaaggtgn      660
cnttcangga gagcaccttt naaggggccc cctaacttcc tgagcctgga aattagaata      720
ancattaaag gggcatacac accttttccc aaaaaacccc tntccatttg gttttt         776
```

```
<210> 3248
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 3248
gttctaatgc ntngnntcat cctttcttca aatgctgtng ttcttttgcn gatccctcga       60
ttcgaattcg gcacgagacc ctctctggcc acatggaggc agtttcctca gttctgtggt      120
cagatgctga agaaatctgc agtgcatctt gggaccatac aattagagtg tgggatgttg      180
agtctggcag tcttaagtca actttgacag gaaataaagt gtttaattgt atttcctatt      240
ctccactttg taaacgttta gcatctggaa gcacagatag gcatatcaga ctgtgggatc      300
cccgaactaa agatggttct ttggtgtcgc tgtccctaac gtcacatact ggttgggtga      360
catcagtaaa atggtctcct acccatgaac agcagctgat ttcaggatct ttagataaca      420
ttgttaagct gtgggataca agaagttgta aggctcctct ctatgatctg gctgctcatg      480
aagacaaagt tctgagtgta gactggacag acacagggct acttctgagt ggaggagcag      540
accaataaat tgtattccta cagatattca cctaccactt cccatgttgg ggcatgaaaa      600
gtgaacaata atttgactat agagattatt tctgtaaatg aaattggtaa gagaaccatg      660
aaattncata ngatgcngat gcagaaagca acctttttga aagtttatat aatggtttna      720
cccttcataa ccagcttaac ctttcacttt ttcttatttt ggatttataa ataagaa        777
```

```
<210> 3249
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> (1)...(770)
<223> n = A,T,C or G

<400> 3249
gntcctnnnt ttcttatnct tggctactcg ttctntctgc aggatcccat cgattcgtag    60
ggattgagga agatctagca gaaccttcta agtctcagac acgtaaaccc aagtgtggca   120
aaggaactca ttgctctcga aatgcatata tgttggttta tagactgcaa actcaagaaa   180
agcccaacac tactgttcaa gttccagcct ttcttcaaga gctggtagat cgggataatt   240
ccaaatttga ggagtggtgt attgaaatgg ctgagatgcg taagcaaagt gtggataaag   300
gaaaagcaaa acacgaagag gttaaggagc tgtaccaaag gttacctgct ggagctgagc   360
cctatgagtt tgtctctctg gaatggctgc aaaagtggtt ggatgaatca acacctacca   420
aacctattga taatcacgct tgcctgtgtt cccatgacaa gcttcacccg gataaaatat   480
caattatgaa gaggatatct gaatatgcag ctgacatttt ctatagtaga tatggangag   540
gtccaagact aactgtgaaa gccctgtgta aggaatgtgt agtagaacgt tgtcgcatat   600
tgcgtctgaa gaaccaactt aatgaagatt atnaaactgt taataatctg cttgaaagca   660
gcnagtaaaa ggccnatgga ttttggggtg ggggaantcc cttccttgcn gantttggcc   720
ccanctancn tctttgaaca ncttgntnaa ncaananggg nggatgcann               770
```

```
<210> 3250
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 3250
ggnncnnttt nccccccttt tgaaaacccc ttttgggnga ancccncttc tttnaaatcn    60
cttggctact cgctctttnt gcaggatccc atcgattcga attcggcacg agtatataac   120
aactttttgct ttcaaagttg ggtgggacta gaacacacaa tggaaggatg gagtcaggag  180
acctggattc ttgtgcccgc tctggctttt acagtctgcc taactctatg cagtcacttc   240
ctgccagcct gtttccttac ctacaagagg gagagacact ccctggccag cctagttctc   300
agggtgaacg aaaggtcatt atcactgcat cctctagtca tttgcttctt cgctaattaa   360
cacatcttga gcacctgcga tgttccagga acaggagatg gcagcgtgca agataaaagt   420
ccctgacttc tagagactgc atgttagtgg caatcggcgt ctacccggcc ttcaataaac   480
tactgaatga aggaaaattc tacctagcac cagacacaat tactgggttt ctaaaatgga   540
attattcccc cggccccctg catccagcag cctgctgcag ggaagctcct ccgaagctgt   600
aggcaggagc gggacaaatg cttgctatca gcttcacaga atgttaccta agtactattc   660
ctacacagcg ccttacagaa caaacagtaa aaaccaaatg gnaagcatgc acnggcttaa   720
aaactcaaac ttcctaacta ctcagtaatt anganggtca ttttaccccca aaatagaatt  780
ttcnatttat ccaataanaa                                              800
```

```
<210> 3251
<211> 1144
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1144)
<223> n = A,T,C or G

<400> 3251
gnnnnnnnnn nnnntttnnn nnnnnntttt tttgnaaaaa aatccccccn ttttgggccn    60
```

901

```
aaaaattngg nccctccttt ttnntgggca aggggggaatc cccccaaatt ttttnnaaaa    120
ccggaccant ttttcggggg cnaaccggaa ggaaaccaat ttaaaggccn cctctcncaa    180
acccccccctt tgggaanggg gggaaattgg naaaggaaac caaggccttt tccccccttt    240
gggccaaagg ggccnaaggg ggccntgggt tggcccccccc naaagtttcc aaanttnttt    300
tnaaaaaggg cccccnttaa ccaaaagncc tttggggggg cccttnggcc cttnggggnc    360
cttggccnaa nggggggttn cctttgggga aaaggggggc ccggggggttg ggggggggga    420
aaaggggggtt tggggccaaa ngnaacaaag aaaagtttan nccaaaangn aaccccccccc   480
naactttttnc ncntngggcc ctncntttna acaagaacct tgccgttcaa tggcccgggg    540
gccttgggga accggcaagc aaaggccccct ggcttctttc tggcccnggc catgaaacac    600
cgncatgttg ggagcacccg atcacaagcg caacaaggta gaccagctca anggccttt    660
ggctatgtcg agatcccctg tgtggccaag aactggtgtg cngagatgaa agtctcgggg    720
ccatggctga agtgggggacc atcgtggaca aagtgaaaag aaagtcctct ttcancacaa   780
gtggctttca acagaagttg acctgggatt tctgtcatgg gtgtccctct ggactcaaaa    840
atgggttcaa ggcccaagtc ggtgaanatg gatgttggca aaaataggaa ggataccctc    900
attttgctgn aatngggga anctgctctt naccttgccc aaggggccaa ggcctggttc    960
aggttnaaac ttgggaccgg aaaggcccaa gtcttaattt cttttcaaac cnaggaaaag   1020
gnccgnttgc cttaaaaacc ccttcccaac tttttcctgg gatgggntga aggcaaancc   1080
angaaaancc aagcaatggt tgttcntcaa cnggaaggaa gggacttgaa ccnaactggg   1140
gaaa                                                                1144
```

```
        <210> 3252
        <211> 818
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(818)
        <223> n = A,T,C or G

        <400> 3252
ntttctannc nngntttcaa atcccttgca ttngcnccctt tgtttgatcc catngattcg     60
aattcggcac gagagaagat tggggatgag gagtgaggag antgctggag accagttaga    120
ggctaccgta gcagcgtana gaggctgaaa atctaactag ggtggaagca gccaggcagg    180
ctggtcctaa tgttgggagt tgttcagatc tgaccnnana ggtcattact tatagagtta    240
ttaatttata ccccacctta attgcaaaga gattcaaagc agtaagccat cactttagaa    300
tttaatgttc tgttttcctt tttatttact cattcagcag ctatttcaat gcctgctgtg    360
tgccaggtgc tattcttagn gctttacttg ttgtatgtgt natctaatgc tgtgtaacaa    420
attactcctg aacttaccaa ctcacaacaa catttattag ctcacagttt ctgtggagca    480
tnggatctag atgtggctta gttggggttg ctggcctggg gtcttctnct aaggctncaa    540
cgaaaagtng aggcccgggc tgcagtnatc tgaaggctct antggggcaa gatcccactt    600
caagctcact naatgngcng ttgncntang nttagttnnc ttgcaatnct attnggattt    660
ggngccctaa gttcctgggc atatagcccn nnnctnntat ggncaaggtt cacncnttgn    720
gngcantttt acacccttnn aagtcntgna nntangntgn gnagnaanng aaactaaacn    780
aatttannan nannatatata aanctcnnnn ncccttcc                           818
```

```
        <210> 3253
        <211> 797
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(797)
        <223> n = A,T,C or G
```

<400> 3253
```
caaatccctt ggctacttgn tcttttttgca ggatcccatc gattcggact tgaaaaaaag      60
tcacatccag caaatgcagg gtcacatgaa atatgggcct cctggaatcc ctacagtgga     120
tggagactgg ctcatacctt gccagatccc tctctcagtt ccagccttct ggacaaggcc     180
tgggctaaga ggagctgnnt cgttatctct tcacccactg ccctctcagt atcaccagtc     240
ccaaagacag gatacgtccc tgtaacccaa tctctcggtt gattgatagc agaacagctc     300
ttgttggtct gagaaggcag gataagtgac cacatattta tgccactacc tccaccaggg     360
agagtccttc tccacaggct tgataaattc aatcaccaac tgtgctgtcg tccctgactc     420
tgctactccc gttcttcctg cttttcctgct ccgtatctca gtctgcactg accccaaggc     480
tgggctgaca tcaagatggg agcccagccc acgggcttta taaacaccca agaaccgttt     540
cagatcttct ctggtgctga tgcangtagt tttaaatttt tctcaagttn cagtgataga     600
aaacccacac aatcatcctc tggccagtct taatagaata tcagaggttn anaagggcct     660
tcanaagaac ttttnacnca atgcctgctt gggggaaang gaaagttgac ttaacccccg     720
ggttcaaacc tggccatttn angggaaaaa aancttnaag gttcnttacc ccntngnttg     780
gcatgcttgc cnccncc                                                    797
```

<210> 3254
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 3254
```
gnnnnnnnng gtnnnntttc aaatccttgc tcttgcntgt ngttgatccc tcgattcgaa      60
ttcggcacga gggagcaaat aataagccct tgtgtgtgtt tttggcagaa aagccatgaa     120
gacaagcaga tgctaataaa agaatctgca tctttgttng ttattccatg ttaaagggtt     180
gaaataaagg taagagaatn tttgtactgt tgttatcccn aatccatctc ctgttctact     240
ctctattcaa aataatcgta cagtgactaa cagagctttc agaccaacag tatttttat     300
ttttcatttt aagttcaggg taccaacatt tctttccatg gatgttgatg gacgtgtcat     360
cagagctgac tcttttttcaa aaatcatttc ctctgggttg agaataggat ttttaactgg     420
tccaaaaccc ttaatagaga gagttatttt acacatacaa gtttcaacat tgcaccccag     480-
cacttttaac cagctcatga tatcacagct tctacaccga atggggagaa gaaggtttca     540-
tggctcatgt agacagggt atttgatttc tatagtaacc agaangatgc aatactggca     600-
gctggagaca agtggttaac tggttggcag aatggcatgt tcctgctgct ggaatggttt     660
tatggnttaa aggtnaagnc tttatgntgt aaagaacctg tttgaagaaa angccgttaa     720
gatggggggn tttaatgcct ccctggaaaa tggnttnttc cgtcgntang ttaannttcc     780
tagnccttc ttnc                                                        794
```

<210> 3255
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 3255
```
gnnnnnnnng gtnnnntttc aaatccttgc tcttgcntgt ngttgatccc tcgattcgaa      60
ttcggcacga gggagcaaat aataagccct tgtgtgtgtt tttggcagaa aagccatgaa     120
gacaagcaga tgctaataaa agaatctgca tctttgttng ttattccatg ttaaagggtt     180
```

```
gaaataaagg taagagaatn tttgtactgt tgttatcccn aatccatctc ctgttctact    240
ctctattcaa aataatcgta cagtgactaa cagagctttc agaccaacag tatttttat     300
ttttcatttt aagttcaggg taccaacatt tctttccatg gatgttgatg gacgtgtcat    360
cagagctgac tcttttttcaa aaatcatttc ctctgggttg agaataggat ttttaactgg   420
tccaaaaccc ttaatagaga gagttatttt acacatacaa gtttcaacat tgcaccccag    480
cacttttaac cagctcatga tatcacagct tctacaccga atggggagaa gaaggtttca    540
tggctcatgt agacagggtt atttgatttc tatagtaacc agaangatgc aatactggca    600
gctggagaca agtggttaac tggttggcag aatggcatgt tcctgctgct ggaatggttt    660
tatggnttaa aggtnaagnc tttatgntgt aaagaacctg tttgaagaaa angccgttaa    720
gatgggggggn tttaatgcct ccctggaaaa tggnttnttc cgtcgntang ttaannttcc   780
tagncccttc ttnc                                                      794
```

```
        <210> 3256
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G


        <400> 3256
ctaatncttn tcnntngctt tnnngangat ccatcgattc gaattcggca cgagagactc     60
ttcattctat caccctgtct cacaaaagac ttgcccaagg ctacgaagca nggcagtgac    120
tagagtccag acatcagnaa ctagttccat gttntttttt tcactaccag tccctaggcc    180
ccaaaccgca gatcctgctg tgnngaccat taagccctg actgttctag gctcaacttc     240
caacccttc tgcaggtcct attacctctg cctcatcctc caacatgat aaccagagtc      300
ttccttcaca ttgtactgcc tacccccctta tgttcccagg ctctcccttg gttttattac   360
ctccttgcag tccatttttca gatcctgtcc attgatctcc acccgcacaa tgatcacctc   420
ataataccac tcccgccgga tgggtgtata ccagagactg cctgtgtaca agcgagtggt    480
cgatacctca atgatctang gaaaaaaaga ngcaggtccc gtgtcctggc acagaaggag    540
agtgagtccc caaggaccaa gcaataagat cagtgatttc ttggggtggc aangtcttct    600
acaggctacc cttttcatct tcctgcttnt aaacaaatca tacccaaagn gatttctant    660
ttcttnaatg tgttcagggn gaaaagactt ttccnggaat ttttaattta tttggttcan   720
aaatcataca ggccttggan antaaaggta ttttaaatct aaaactggcc ncaattaaan    780
tntc                                                                 784
```

```
        <210> 3257
        <211> 822
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(822)
        <223> n = A,T,C or G


        <400> 3257
ttnnnnnnct nnnggnnttt cnaatncttg tttctcgncc tttctgcagg atcccatcga    60
ttcgaattcg gcacgaggat tttcgaaact cttcagctac ttgccctttt ttatctgaaa    120
ccatcatacc ttctgaaaga aaaaagcata tcttcattga cataacagaa gtgagatggc    180
ccagtcttga tacagatggt accatcntnt atatggagag tggcattgtg aagataacat    240
ctttagatgg tcatgcatac ctctgcctgc ccagatctca gcatgaattt acagtacatt    300
ttttgtgtaa agttagccag aagtcagact catctgcagt gttgtcagaa acaaataata    360
aagccccaaa agataaacta gttgaaaaaa ctggcaaaat ctgtatacgt ggaaatttac    420
```

⬤

```
cangacagag actgaagaat aaagaaaatg agtttcattg ccagatcatg aaatccaaag    480
aaacttttaaa gaagatgagt tgtgtaaatg gaactgaagg gagggaagag ctgccttcgc    540
ctggtacaaa gcacacatgt gtatacacat gggtcaagca gtgctggtct gtggctgcct    600
gtccagagga atgggaaata ttcctttgtc tttagcactt catttttcta aataaaaatc    660
anccaatatg tctaaaaaaa aantttnttn ataataaacc tngaagccct nttanaacct    720
tntnntggag gtcctnnttt accntatgat tcccggaact tggataagga atcccntttg    780
gattgganat tttgggccna aaacccncna nncttggaat cc                       822
```

          <210> 3258
          <211> 1052
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(1052)
          <223> n = A,T,C or G

          <400> 3258

```
tttccctnaa aaaaattggn nccctttttg ggccctnaaa aattgggccc ttttggggggn    60
nnnnggccaa ngggaaatcc ccccaatnnt ttttataanc cgggcctccg gttaanttcc     120
aaagccaatt ttaatttaac cttnaggggg ccttgggccc ctccccaatg ggttgggttn     180
nnnntntcca aaaaaanggc ccccccaa tttnccaaaa gggttntttnt ttaaccttt      240
tccttnaatg gggggtnnna aaaccctnaa aaatttnnn ttaaccaatt nacccaccca      300
aaaaaatcct tttttnncca attttntntn cctgggaaaa ccttttcccc tttttaatgg     360
ggcttttttaa ccttggtcaa ccccccaact taggtanttt ggatggtctt taagctaann   420
gaaccnaaat tnctggatca atttcacttt gtcacatcag ggaaccctat cctcttagtt    480
ctcccattga gatttcactg ctggactaag attattcttg attcgtagtc attggnttct    540
gnttccattc attttcagca ctgattatgt taatcgtatt gctttgagtt ttttcttgn     600
tcaaatgttg nttattacat tcattttgnt tcatatacac acattntttt tttttaactg    660
gcattttgag gatattggng ttaatgggaa ggaaaaagga atggtgcaaa agcacatggn    720
atttgaattc caaagacctt gaccctcang cattagcaag gtcacttggt ttctgagcct    780
cantttttctt actctcaaaa tggagggtaa tatcccgaaa agnactttga caaccacacc    840
ttaaaagcct ggatgcaana atttnccttt tttgnaagta aattgnngct gggttcttaa     900
ttncataatn ngggataatg gggaattcct anggggaatt ngggctatta ggaatccntn    960
cnattttaaa aaatggtatt ttaacangcc ttggtaaaan ggttcanttn catggccatn    1020
gnggaacaat gttccccntt tatgaannta cc                                  1052
```

          <210> 3259
          <211> 800
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(800)
          <223> n = A,T,C or G

          <400> 3259

```
gnnnnnnttt nnnnnnnngt ttcnaatnct tggcattgat ccnttgnttg atcccttnat    60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa    120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag    180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc    240
ttggacttct cagcctccat attcatgaac taagttttg gaatccttag gcttccacgt      300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca    360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag    420
```

905

```
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaatangg     480
gaaactattc agagaaaact taagccacta agttttatgg ngntttgttc tgtagcagaa     540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcaggcc     600
agcatttttt tcttgaaaac ctggagcatg tattccatct tatagcagag atcactttca     660
caatggttgg ggctcttgga tttggaatgg atgatgtaat gaagccctct tntncagatt     720
ggnaactaat tactcttggg gaattgactn ggattccaca ccccttctta anaattntac     780
ttttnctctt tttatcaaac                                                 800
```

```
        <210> 3260
        <211> 1098
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1098)
        <223> n = A,T,C or G

        <400> 3260
gnnnnnnnnt ttnnnnnttt ttgnaaaanc cccctttttgc naaatngncc ctttttntgg     60
cangggatcc ccatntttat ntcggacatt ttcgggccac cggaaggggc cggggggcccc    120
cgggccncca ggnccgggna aaggcccccc ttgggcggcc cccggncggc cccaatgggt     180
tccaaaaagg gaaaaaaaaa aaaggggggaa cctgggaagt tggcccanga aaangnaaaa     240
aaaggnaagn aaaccttccg ccaatgggaa tggggaaaaa taattttttc ttgaaaaacc     300
caaaaaagga atggttattt ttcaaattta aaaaaggaac nttgggaaga aagaattggc     360
ttcccacncg cagaaagggc attactggct atgtcaagta aaagaagtcc ttcaaagctt     420
agttgatgat ggtatggttg actgtgagag gatcggaact tctaattatt attgggcttt     480
tccaagtaaa gctcttcatg caagggaaac ataagttgga ggttctggaa tctcaagttg     540
tctgagggaa gtcaaaagca tgcaagccta cagaaaagca tttgagaaag ctaaaattgg     600
ccgatgttga aacggaagag cgaaccaagg ctntgcaaaa agagcttttc tttcactttc     660
gagaccaaag gggaaccagc tnnaagggcn agaaaagttn gaaaaaaatt ccaaaggaac     720
tggtggaatc ccccaaaagg tttggttggg gaaagaaaaa ttcccgcccc aangccaaaa     780
tttaaaaggt ttngccccca aagggaaaag ncttgnccttt taacccagga attggggacc     840
ctgggantta aaaccnataa ttttcccgcc naattnnaaa aaattcnttt nggggncccc     900
naaaanggna aaaaaatttt nggggggttt tggnaaggna aaaatttnaa atttggattt     960
ngaaacttt ttngggaatt ccccagaaag aacttttgac cttccnttng acctnaaaaa    1020
ttttcccttg gggggtgna anggatgttc ccaagctttg tggnatattg gtaaaatttt    1080
naacttttn tncttacc                                                   1098
```

```
        <210> 3261
        <211> 849
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(849)
        <223> n = A,T,C or G

        <400> 3261
gnnnnnattn cccttttnaaa tnccncngaa anccccttgga agcactaccn ctcngacccc     60
tttggaacgn cgactnctnn atatatcnng gatataatag gtgataagtt ctgncaatta     120
gtaacatcng gaaaaaacag ctnngnccctg ggngaaaaag gatgccaaaa tngcctggaa     180
aagagcagng gagaggagtc cgggagatgn gngatgcatc gggacgcanc atngntnaac     240
attcactggg tctgccaaaa atgtggattt gngggctgct tagatngtta caaggcaaaa     300
ggaaaggaaa gagttctaga gataaaagaa ctatatgctt ggatgaagtg tgtgaaggga     360
```

906

```
cagcctcatg atcaccaaca tttaatgccc aacccaaaat tataccnggt tctgntttga   420
cagacttcta gatgccatgc acactcttag ggaaaaaata ttgggattaa ancccatngg   480
cattggacta acaaacagga atttacaagg tnggaaantt ttncnaccaa tgaaaggggg   540
gatcncaagg ttttccagaa nggntcntaa tcncaggnaa taaaaattnc tctngggcaa   600
gccctgagtc ttaancagca aaaanactcc tcccgaancc tgnagaaaaa aggggggca   660
gccaggcccn naaanggaan gtnaggcccn agatnaacaa ngtnacctcc nccagnaaa   720
ccccanncc caactggnac cnggngaacc cacaacnttt gcngaagncc aaaaaagncc   780
nnnagangga aaaaaaaaaa naananaaaa aacctnnnag ccctaagaa accttagggg   840
nggcccncc                                                          849
```

        <210> 3262
        <211> 858
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(858)
        <223> n = A,T,C or G

        <400> 3262

```
gnnnnnnttn nnnntttcta atgcttntna aatnccttgg nagcaggatc ccantttcaa   60
ancgcttggg gcctatacca ggagagcgga tcccagacgt ggctgcattg nccatgggct  120
tctctgtgaa agaagacctt tcttggccag gactcgcagt gggtaacctg tttcatcgnc  180
cncgggctac cgtcatgggt gatggtgaag ggagtgaaca nancggccct accccaggc   240
agngtcattt cgtacccttt ggagaatgca gttccttta gncttgacag tgttgcaaat   300
tccattcact ccttattttc tgaggaaact cctgttgtt tgcagttggc tcccagtgag   360
gaaagagtgt atatggtagg gaaggcaaac tcagtgtttg aagacctttc agtcacctt   420
gcgccaagct cccgtaatcg cctgtttcaa gaaaactctg ntctcagntt caactccct   480
caattctctg agtnggaaca atgaaagntg acctgctcnt ttctttctga acngcaagtg  540
ctacaatgat atttcaagct ttgctggcct cggacattaa gcattntagc ccaaggatca  600
attctncctg gaattaataa ttccacntgg gangcctggc aaggtttgga atgaaaaatt  660
ggggaagccc ttatgggga aananctttt gaacaanttc aataagaatg cnttcnaaag  720
aacccttggt tgaccccntt gccaaaaant ttggcaacaa tgaacatngt tcaagncttt  780
tatggggggg gaantgccnn ngggntngaa nttaggcccc tngnaaaaat caatttggga  840
caacctcccc ttcatanc                                                858
```

        <210> 3263
        <211> 835
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(835)
        <223> n = A,T,C or G

        <400> 3263

```
tncctttcna atccttnttg cangatccat cgattcggag ttttttttt ttttttttt   60
tttttttttt tttttttttt ttttttttg aagtttttag ttaattaang nncttgcgaa  120
aaatccanac cagntttatt tcaggggnna nagtnanaaa ncnctgcaat ntgnncttaa  180
ngggattcga ttngaggccc cccnccnggg gganantgtn anccagggat acnacaaant  240
ncttggcaag tcactggana ccgacnttcn tgcatttngg gaaanaanct gggtttgngg  300
nnaantaaag cattttgacn atgactgntg cctaaananc cntggcattg gccaggatn   360
ctgtggaacc ctttttttnnt tnaatgggtg ntgagcatta aactgncact tgttnanngn  420
nattagannc tttgatngna acttttnann anccccgaa nnctggnncc cctnaatntt   480
```

```
tnaattngcc cctntttttc cnanggggat atantatttn ntntngggtn ggaaaatttt      540
tanaggatna anntcnccct tttttttnttt tttantcccn atcntttnnt tntncttttn     600
nncccttttt tntnttgngc nnnntanaaa tttcnctgta antggatttt naattttngg      660
nnaannnant ntaanggntc ccttttttttn aatttnanaa aatgggtttt natnttctac      720
tcttcnancn cntnnggntt ttcnacntca natgtngcnn nngnnaaaaa aantnntttn      780
ccatgggnct nnctaanata aatcttcntt naatggtntn tannnttttt caaan          835
```

```
        <210> 3264
        <211> 758
        <212> DNA
        <213> Homo sapiens .

        <220>
        <221> misc_feature
        <222> (1)...(758)
        <223> n = A,T,C or G

        <400> 3264
ctaatagctt ttcattcnaa tgcttgtgat ccctcgattc gaattccgtt gctgtcggac       60
agattgccct agtacccacc cacctatcag ggttatgcaa tggaacatcc tcgcccaagc      120
tcttggagaa ggcaaagaca actttgtaca gtgccctgtt gaagcactca aatgggaaga      180
aaggaaatgt ctcatcctgg aagaaatcct ggcctaccag cctgatatat tgtgcctcca      240
agaggtggac cactattttg acaccttcca gccactcctc agtagactag gctatcaagg      300
cacgtttttc cccaaacccct ggtcaccttg tctagatgta gaacacaaca atggaccaga      360
tggttgtgcc ttatttttttc ttcaaaaccg attcaagcta gtcaacagtg ccaatattag      420
gctgacagcc atgacattga aaaccaacca ggtggccatt gcacagaccc tggagtgcaa      480
ggagtcaggc cgacagttct gcatcgctgt tacccatcta aaagcacgca ctggctggga      540
agcggtttcg atcagcttaa ggcttgtgga ctcttcagaa cctgcaaaac atnacccaag      600
gagcccaaga ttnccctttat tgtgtgtggg gacttcaatg canaccaaca gaanaaggtc      660
tncaaacact ttgcttcttn cagnctnaac cttganagnc ggcctacaag ntgctgaatg      720
cttgatgggc aatttagaac ccccatacac ctacctgg                              758
```

```
        <210> 3265
        <211> 1050
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1050)
        <223> n = A,T,C or G

        <400> 3265
tttctaatgc ttggctttga gncctctntt taaaatcctt tggcnactac tctgcacgat       60
gcggcgctga cccggncggn cccacacccg ctctttnctc ttctttgccg cggactccct      120
ttcctgcctc caagacctgg gtgtctacaa ctgtgagccc agcttgnncc aaaggcagtc      180
cccatgggac ctagactcac cttncccttg cctctatgaa accttctgct tgggcccanc      240
ccctgttcca gctcccgacc tgcacttcct tgctgggact cangcctcca agctccctgc      300
ccagcnagcg gncttcagcc accgtcttcc cctttctttc gggccctgnt tgtnagcanc      360
tttgcagaaa cccananggg acctngtgcc ccttgcnaag nctgtcgcct tggtgcaaga      420
ctgncctgtn ctgcatcatt ttncatggtt gncggggggtg tggggntnnn cnngncgnnn      480
cntgntcaca atcaancatn tatncctnan ntngggtatn acnaatggcc tnaagantgc      540
tacntcntan nnngganttn tcangnnntn ttactaacnt ncnatngnnc ntnganatag      600
ncatgnantn ttagtntntg atntanccnc nattgcagcc ncataattat cctacaccac      660
anannaancc ntccttnnag aanntgncnt ctatgnaana gnctnnnaat gtggcnncna      720
atataanntn ntntnctnnc atcntannnn nntcctacgt nannnnncat nnncnctntn      780
```

```
ggnnactatc ncatantaca tcnntnannn cacccatnct nntntnanat ntctcntggg      840
nantnnnntc tcctnnanat ncnctaatna ngatctctca nntacatgan ntanatnacn      900
natanngnnn anatcnannn ngtctctcnt atnnnttatn nanngntcan nttacnnnan      960
nannnaanng tatnntngtt cnaaanntat ntataaancn ncgtnnnttt nnannagatg     1020
tacnccnntn anntaannat ctangctccg                                     1050
```

        <210> 3266
        <211> 798
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(798)
        <223> n = A,T,C or G

        <400> 3266

```
gnnnnnnant nnnntttnaa atccttnntg aatcctttga antaccatcc cnttttncga      60
attnggcacg aggaaaggtg gcgcgcttct cacggctgag ttgctgcgcc ttgcagacgg     120
aagctcccca caggcagagc tgcttggatg tgtgagtcat gaaccagaga agccccgctc     180
catgagcagt gactccccan gccctgtgac ctccctcctn cttgcagctc ctcctggcac     240
cagtccccag ggctctcctg ttggtagttc ctgcttttct tcttggaaat tcctcgtgga     300
cctcgagatc tttaccctaa aatagttctg ttgaatttca ccctggcaat gtaaattgat     360
agcttatctt cacagatgcc agacaatgga caactcacca tcagtcctct gctcacctga     420
gacaaatgca tgtctgattg cttcctctgc cctattgntt atgtgaaaat gcagattcac     480
tgagccagac taaggcatca gtgactgttc ctctacctgc ctctcacatg gagattgtgt     540
attcagtgaa aggctgatca aagacccaaa ggaatgcaac agtttatctc ttatctacct     600
atgacctgcg aactggccaa caacccagtt gttgncgcct tttcagacag aaccagtgtc     660
atcttacacg tattnaaatg gatgtcctgg ngtctnccta atatgtattc aaaagcaagc     720
tggggcctng accacccttn ggcacatatt cctcanggac atcattcctg angctgtgtc     780
actggcatgt ccttaanc                                                  798
```

        <210> 3267
        <211> 817
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 3267

```
ngnnnnnttt ttnnnnccgg tttgaaatcc ctttgaattt gnaatcgttg gtgatcccat      60
cgattcgaga aatcggaaca aaagtagaag ttgtggaaag gaaagaacat ttgcatactg     120
acattttaaa acgtggctct gaaatggaca acaactgctc accaaccagg aaagacttca     180
ctgaagatac catcccacga acacaggata gaaagaanga anccccgcct gtatttttcc     240
agcaaatata acaaagaagc tcttagcccc ccacgacgta aagcctttaa gaaatggaca     300
cctnctcggt caccttttaa tctcgttcaa gaaacacttt ttcatgatcc atggaagctt     360
ctcatcgcta ctatatttct caatcggacc tcaggcaaaa tggcaatacc tgtgctttgg     420
aagtttctgg agaaagtatc cttcagctga ggtagcaaga accgcagact ggagagatgt     480
gtcagaactt cttaaacctc ttggtctcta cgatcttcgg gcaanaaacc attgtcaagt     540
tctcagatga atacctgaca aaagcagtgg aaagtttnca attgagcttc atgggattgg     600
gaaatatggc aacgactttt tacccgaatt ttttggggcn aatgaagtng gaagcaaggt     660
gcaccctgga gaacccccaa nttaaattna attttcatga cttggctttt gggaaaaaaa     720
ananctgctt nttaaaaaaa aaacttggag cctttttgaa cttttggggn gtcggnttta     780
```

cctagatccg gaccttgnta agntncnttg gntggnc   817

```
        <210> 3268
        <211> 725
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(725)
        <223> n = A,T,C or G

        <400> 3268
gnnnttgttc taatgctngg ctctcgttct ttctgcagga tcccatcgat tcgaattcgg    60
cacgaggata ggccacattc cagtaagaac tcaatttgtc tcccaaattt gcagaaacaa   120
aacgtgattt aaaagctgag cttttttatca gaaagctttt ttgatgtttt aagtgttatg   180
tgacttgttg aactttttaa aaagtgctac ttttaaaatc ccagatactc tgaattttag   240
aaaacaaact aattctgatt gtgtcgtgcc caagtaccct tttttttaa tgaataggga    300
ccaatgccac attgcttttt atatttcttt cttttttaat gttgccaaaa ccaaaagtag   360
ctttgttttc ctttgtattt tgctactttg cagtatttgt gtgtgtggtt ttntttcctt   420
aatttgaaag ggacagnnct gtgtatgttt ataaactaaa tgaagataag atattatntt   480
gtataaacat tcatctgaga acaatcaaag cagtagccac atggtgctgg ctcctttgca   540
gcacaaacct ggtcattttg atgactgtca acaggaagac ttgaaaaatc acgtggattc   600
atattaccac cgctctcatt tcatggagtc ttctgatcaa aaaaaagctc acgtcgtatt   660
tcttctttnc tttctctttt ctaagaaaat tgggtgttnt gaccagaatg ggaattttgc   720
ttccn                                                             725

        <210> 3269
        <211> 786
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 3269
gntttgaann ccctttngnt tcanatnctt gtttgangcc cttntnnagg accccatcgn    60
ttcgaattcg gcacgaggct atttgaagta cctgtaacaa aacagttggc cctctgtttc   120
catgtactct gcatctgtgg attaaaccaa ttgcagatca aaaatattag aaaaaataaa   180
aataatacaa ataaaaatac agtatnncca gttatttaaa tagcatttac attgcattag   240
gtattagtct agggataaag tatacaggcg gatgtgcgtt ggttatatac aaatatgtca   300
ttttatgtaa gggacttgag tatacttgga ttttggtat ctgtgggttg ggggacggt    360
ccaggaacca ataccccatg gataccaagg gacaactgta cttatttacc tttattgtca   420
ttgcaagctt cttatggaaa ctttatagga atgaaaatat acatgttaag aagattaaac   480
attagatagt agatggtttg ttgcatgcta gaactgttag tattgttgaa tcaattactt   540
tggtttcatg aaaaaataaa cgataaatat ctttaaagag aactagaaga atttttgtt    600
tgagtnattc cangctgnag tatgatcntt tactgaagta gtttgattgg ctggctaaac   660
ttanaattat tggtttcttg gtttgtanct gccantaggg gttantaatt gtaangataa   720
aaatggtntg tgtggnttaa agggaaatta ggtggnggtt aaaaatcttg ggaaaatttt   780
ccgaac                                                            786

        <210> 3270
        <211> 784
        <212> DNA
```

●   ●

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 3270
```
tttcaaatcc ttgttnacgc cctttntnan ggacccctcg nttcgaattc ggcacgaggt     60
tttgttctct tctttgacta ttaaaaagct cagtgcctna tatttctaac atatggcaag    120
tgtttctgtg taccttacaa gtctatatat aaatttttct tctcttgaca gggttntatc    180
tatatnnccc aagtnacccc taattctttt agaataaggc agaaaataaa tcaacgtaaa    240
ggttgagacc aagccagaga cagctggcca aagtagctgg ttcagggata taacctgcaa    300
gttgccaacc cagcgcattc ttctcaccct tcttccaccc tacgaaaggc catatcttac    360
aagagatgct ggtaaatgcc anacattcac tgngtnaggc ttnctcacan ctagcagtgg    420
catgagatca gttcaatcca atgacactga aatggaactc tccaagtgag tttctgcaaa    480
agacttctct gttaacaggg agttnttaag ggaaatattg caccttcctt tccctgctt    540
tttcaatcna ngcatgatgt cnggtgctac cngnaaccca tactgcnaan catgagggca    600
aatgagcctg ngggaattta aanctntaac actaattnaa gangaaaaaa gatgcagaan    660
cctngatcct tantggncca tnatttaanc cccttggacc cacttttga aaccagncct    720
ctanaaccta tnngtgagtc nnntttactn ggatcccnta actngataag aanccnttgn    780
ntcc                                                               784
```

<210> 3271
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 3271
```
caaatcnntt gctctngttc tttttgcagg atcccatcga ttcgcgacag ctctccaata     60
ctcaggttaa tgctgaaaaa tcatccaaga cagttattgc aagagtttaa ttttgaaaa    120
ctggctactg ctctgtgttt acagacgtgt gcagttgtag gcatgtagct acaggacatt    180
tntannggcc caggatcgtt ttttcccagg gcaagcagaa gagaaaatgt tgtatatgtc    240
ttttacccgg cacattcccc ttgcctaaat acaagggctg gagtctgcac gggacctat    300
agagtatttt ccacaatgat gatgatttca gcagggatga cgtcatcatc acattcaggg    360
ctattttttc cccacaaacc caagggcagg ggccactctt agctaaatcc ctccccgtga    420
ctgcaataga accctctggg gagctcagga aggggtgtgc tgagttctat aatataagct    480
gccatatatt ttgtagacaa gtatggctcc tccgtatctc cctcttccct aggagaggag    540
tgtgaagcaa ggagcttaga taagacaccc cctcaaaccc attccctctt caggagacct    600
acccttcaca ggcacangtc ccccaaatga gaagtctgnt acccctcatt tcttnatctt    660
tttacttaaa ctcaagaggc agtgacaggn agtcaggggc aagacattac atttttcata    720
ctttcccaca tctgaaaaga tgacagggga aactgcaaag cc                      762
```

<210> 3272
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)

911

<223> n = A,T,C or G

<400> 3272

```
cctttctaa tgcttggcat ttnaatcctt gttgatccct cgatttnaat tcggcacgag    60
gcactgcgtc aagccactcc tggagaagaa tgatgtggag aaagtggtgg tggtgatttt   120
ggataaagag caccgcccag tggagaaatt cgtctttgag atcacccagc ctccactgct   180
gtccatcagc tcagactccn tgttgnctca tgtggagcag ctgctccggg ccttcatcct   240
gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc ccaggctgta ccttcacagt   300
cctggtgcac acgagagaag ccgccactcg caacatggag aagatccagg tcatcaagga   360
tttcccctgg atcctggcgg atgagcagga tgtccacatg catgacccc ggctgatacc    420
actaaaaacc atgacgtcgg acattttaaa gatgcagctt tacgtggaag agcgcgctca   480
taaaggcagc tgaaggggca cctgcacccc actgatgccc aaactgtcag actttggggg   540
atccccgcct tagggcagtg ctgcatggct gccctgattc caaagtgctc ttatcgcctc   600
tgtgtgtggg atcgcccgcc ccaaccccgg ggccgcttna gtcttgcttg gnaggatgcc   660
ttcccccagg anggcagtga ngggatgccg caacctngac ttnttannct cctggggttt   720
ccgccgggcn aaaactggct gncttaaata ctgggcttgg nagttgtttc aataaaaggc   780
```

<210> 3273
<211> 926
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(926)
<223> n = A,T,C or G

<400> 3273

```
gnnnnntttn tanncccttt tcnaatnctt ggaatttgac ntcgttgtnt gatcccatcg    60
attcgaattc ggcacgagag aagttctagc acatcttaat tnccttnata gtttaattga   120
tgaagagcat tgntgaagag ttaggaggtc tccctttgtc ctacattntc cgntttttta   180
gaatgagaag atgagaacga cctccagttc acatgacggc tgcngngagg atccagtang   240
ggagatacag tgctcagcac caagcatgtg caagtgagca caatccaatt ttacatcatg   300
ttaccctcc aggacagttg ctttgacgtg gaaggtatag agggagttga aaggangtt    360
tgcatggttg gcagangtgc cctgcagcct tcctntncaa gctgnaancc gtttntgncc   420
ncctggaanc ngttggaaag tgtgtggtat ggnatgaaga tcccattttg actctgttcn   480
tgatcttgnt tactnaagtg anccttgttc nttgacngta ttggatgatn cattgatcct   540
anctatccct taactggtcg ggtgntgctn cnggggaca ttgntttttn nncaatttcc    600
aatgcatncc ttnnngnanc tntttcctgt cacanccanc caattnaatt natancctgt   660
gnattngaan ccnaanttcc cagggccgtn ngntagtctn tntaaaanng ggntcaanta   720
aantttnnnt atgangccnt tngtataann ttttntaacc atnggnntnt atgncnantt   780
ncaacctgng gttnctcttn ataactnggc nntttgtaa attcnngntn tnntntgata    840
atntacnttn ttttctttna tnagnggctt tatntcaaan taatccncga atanntaata   900
taattgttct atnnatgnna ncngcc                                        926
```

<210> 3274
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 3274

```
aggnnnnttg taannccnta ctgaaatcct ttgnatcncc tcnttgtttg acccattnat      60
tcgggccggt tattctctct ttacagatag ctatagacat cattttagga agtgttgcag     120
tctggcattt gtgctattgt tcattctctg tgaaggctgt tcatagttgc tatagcctgt     180
gtttagtttt gtgatttcat caatcccatc tttccgcgng antaatgcat tctaaacatc     240
ctaccccact ttagaaacgg acgtggggaa cgcttggtca tttaagccaa caataaattt     300
aggtgaatgt ccctaagtgt ttactgnttt tatccagtca aggatttgct tttccttgaa     360
catttgtttt aaattctggg gccaaaatgc aaaggagaag ttctattcaa aggcagtagt     420
tgaaatctat tattttagtt agcctacttg gcatttacta catcggtcac ttctccaggc     480
tgccctaaat taggttgatg gagtgagaca tgccaaacat tcacctttgg gaccatagca     540
tagttaaaat taaatgtagt tggaatagct agcattgcag ctacagtagg ggaactgtag     600
tctanttccc ctcagaaaaa cccaaggagt tgaanggaca ggattttgnc tangcnaaaa     660
atctaagact cgtgcccttc tggtacatng gggtttttaag actggaatgt gtaataggag     720
cactgccttt gcccaatcna atgantgaca ggttaactnn gaaaatggga caatcacatt     780
tccncttac                                                             789
```

<210> 3275
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(814)
<223> n = A,T,C or G

<400> 3275

```
gnnnnnnnng tnnnnntttn aaancccttt tcaaatnnct tggcattgaa tccttgcaga      60
tcccatcgat tcgaattcgg cacgagtatc agacaatatt ttattatttt ttcatagatg     120
ttctgccaca caaagaactt ggggtgtaag gataaggcaa aagctccaat cccatttttc     180
agttctccta ggatgcaccc ctcagggagc ctggccagag ttccgnngcc cgtgagcgtc     240
agctgttgct ttattttcca tcaaagccct ctgagaagtg agacctcagc aattccggga     300
gccacataga gacagacttg gcaagggacc ccctggntct gagccagtag ctgccatctg     360
gaaattcctc ttttagcctc tccttagagg tgaatgtgaa tgaagcctcc aggcacccgc     420
tgaatttctg aggccttgct taaagctcag aagtggttta ggcatttgga aaatctggtt     480
cacatcataa agaacttgat ttgaaatgtt tttctataga aacaagtgct aaagtgtacc     540
gnattatact tgatgttggt catttctcaa gtcctatttc tcagntctat nattntagaa     600
cctangtcag ttctttaagn attataactg gncctacatt aaaaaaatgc ttctcgaaaa     660
aaaaaaanna tnnnantaca aannaaaaan cttcgaccct ttaaaacctt ttggggngcn     720
gatttacctn ngaancccga cctgatnaga aanccntggt taaagtntgg anaaacccca     780
cctnnaaagg cnagggnaaa aaaaagcccn tttc                                 814
```

<210> 3276
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 3276

```
gnnnnnnttt nnnnnnnngt ttcnaatnct tggcattgat ccnttgnttg atcccttnat      60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa     120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag     180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc     240
```

913

```
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt    300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca    360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag    420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaatangg    480
gaaactattc agagaaaact taagccacta agttttatgg ngntttgttc tgtagcagaa    540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcaggcc    600
agcattttt  tcttgaaaac ctggagcatg tattccatct tatagcagag atcactttca    660
caatggttgg ggctcttgga tttggaatgg atgatgtaat gaagccctct tntncagatt    720
ggnaactaat tactcttggg gaattgactn ggattccaca ccccttctta anaattntac    780
ttttnctctt tttatcaaac                                               800
```

        <210> 3277
        <211> 817
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 3277

```
ngnnnnnttt ttnnnnccgg tttgaaatcc ctttgaattt gnaatcgttg gtgatcccat     60
cgattcgaga aatcggaaca aaagtagaag ttgtggaaag gaaagaacat ttgcatactg    120
acattttaaa acgtggctct gaaatggaca acaactgctc accaaccagg aaagacttca    180
ctgaagatac catcccacga acacaggata gaaagaanga ancccgcct gtattttcc     240
agcaaatata acaaagaagc tcttagcccc ccacgacgta aagcctttaa gaaatggaca    300
cctnctcggt caccttttaa tctcgttcaa gaaacacttt ttcatgatcc atggaagctt    360
ctcatcgcta ctatatttct caatcggacc tcaggcaaaa tggcaatacc tgtgctttgg    420
aagtttctgg agaaagtatc cttcagctga ggtagcaaga accgcagact ggagagatgt    480
gtcagaactt cttaaacctc ttggtctcta cgatcttcgg gcaanaaacc attgtcaagt    540
tctcagatga atacctgaca aaagcagtgg aaagtttnca attgagcttc atgggattgg    600
gaaatatggc aacgactttt tacccgaatt ttttggggcn aatgaagtng gaagcaaggt    660
gcaccctgga gaaccccaa  nttaaattna attttcatga cttggctttt gggaaaaaaa    720
ananctgctt nttaaaaaaa aaacttggag ccttttgaa cttttggggn gtcggnttta    780
cctagatccg gaccttgnta agntncnttg gntggnc                            817
```

        <210> 3278
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3278

```
gnnnnnnttt gaaanccctt tcnaatnctt ggcattgntc tctttgcagg atccctcgat     60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa    120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag    180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc    240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt    300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca    360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag    420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaatanggg   480
```

914

```
gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa    540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc    600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac    660
aatggttggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac    720
ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan    780
taanc                                                                785
```

        <210> 3279
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3279

```
gnnnnnnttt gaaancccctt tcnaatnctt ggcattgntc tctttgcagg atccctcgat     60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa    120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag    180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc    240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt    300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca    360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag    420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaataggg    480
gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa    540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc    600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac    660
aatggttggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac    720
ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan    780
taanc                                                                785
```

        <210> 3280
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3280

```
gnnnnnnttt gaaancccctt tcnaatnctt ggcattgntc tctttgcagg atccctcgat     60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa    120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag    180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc    240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt    300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca    360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag    420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaataggg    480
gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa    540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc    600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac    660
aatggttggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac    720
```

```
ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan      780
taanc                                                                  785
```

```
        <210> 3281
        <211> 800
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(800)
        <223> n = A,T,C or G

        <400> 3281
gnnnnnnttt nnnnnnnngt ttcnaatnct tggcattgat ccnttgnttg atcccttnat       60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa      120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag      180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc      240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt      300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca      360
tcctagttga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag      420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaatangg      480
gaaactattc agagaaaact taagccacta agtttttatgg ngntttgttc tgtagcagaa     540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcaggcc      600
agcatttttt tcttgaaaac ctggagcatg tattccatct tatagcagag atcactttca      660
caatggttgg ggctcttgga tttggaatgg atgatgtaat gaagccctct tntncagatt      720
ggnaactaat tactcttggg gaattgactn ggattccaca ccccttctta anaattntac      780
ttttnctctt tttatcaaac                                                  800
```

```
        <210> 3282
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 3282
ttctaatngc ttggttactc gcctttctgt aggatcccat cgattcgaat tcggcacgag       60
gcaagccagg agtgctggca caggcctgtn gtcgcancta ctcnggaggc tnacgccgga      120
ggatcgcttg agcccancag gtcaaggcta cantnagccg tgatcatgcc actgcactnc      180
aaactgngng acacagngag accctgtctn ttaacaacan ancccatgag cggcangccc      240
cccagtctgg atggtggtaa agaatcctta agatcaaacc cacgcagtgc ttaaagcttg      300
gcctgattct agggctgggg ctggacaaac tgctanagat natgccgata gccngtgtga      360
tccccctgnc ctgatngtna anggcatagt gcagantgga accctttccc tccccaaaan      420
attcagacct gnngggctga gtgggcctta ttgagtcccc aaagttctga gaanctnggt      480
ntctggcttt tagccttcag ctttcttagg ttntgatgca atnagttgng ttcccctgcc      540
cttttcttgc catgcacttn cgaangaang gtttncnggg ttgcntggga ancnttnccc      600
naacngcctn ttanccaccn naagntttn nngaatcanc acttccctnn ggggggggaat     660
acttttaaat nccggaagnc ctttnaacnc ccttgggntc cttcccnga ntacccaagc       720
ttnaaatcca aaattaccgg natcnttagg gctttgtagc ntntgggttn ggntttgcnt      780
nttttttctt aancttntt tnaataaacc aatttcttnt gnnacncc                    828
```

```
        <210> 3283
```

916

```
          <211> 898
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(898)
          <223> n = A,T,C or G

          <400> 3283
ttgtanncct tttctnatag cttggtcttg actccttgtt gatcccttnt ncnaattcgg      60
cacgngatta cctncaaatc tcaaggcggc cttgaacatt gagaaagaac taccaaagcn     120
tagacacgtt ttcagaagga agacagcctc ctccaggagc atcttacccg acctcttgtc     180
accgtaccaa atggcgatcc gagcnanccg actggangag agccgagcgg cggcgctccg     240
agagctccag gagaagcagg ctctgatgga gcagcagaga cgagagaaaa gggcactgca     300
ggagtggaga gagcgagccc agaggatgag gaagaggaag gaagagctca gcaaactcct     360
gcctccgcgg aggancatgg tggcatcaaa gattcctctg ccacanatct gatagataac     420
aggaaagttc cactgaatcc gcctggaaaa atgaaaccaa gcaaagagaa atcgccacan     480
gcaagtaang aaatgagtgc cctgcangag agaaatttag nagagaagat tnaacagacc     540
gttcttcaaa tgcgtttagc cnangaagan ttccttgggc tatgccccca cttggtaagg     600
aanattnatn naaaaggctt nncctnangg gnttctgggg aaaatttggc ccaccantat     660
gnttnncntg ggnatttgaa aaantatttt tgganaaagc cttaaanaat tttgggggga     720
atttaaaccc tttggtaacc caataggtat ttggtatnta actgggggtn ggngnncctt     780
tnacttgggg aaaacntttt tccctttggg cccttngccc tgtcagcnac naatgctttn     840
taaaaattnc cttttatttt taacctcnan atattttggg ttaaatattt angnancc      898
```

```
          <210> 3284
          <211> 705
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(705)
          <223> n = A,T,C or G

          <400> 3284
nctaatgctg ggctctcgtt ctttccgcag gancccatcg attcgaaaaa ttgtgatgta      60
agtggtacag tggggagaat ttagggctct cagaatgcag aaaactagcc acctccagtt     120
ctgtgcctga ccaccatctg actttggata aatcccttct gctctcccac ctagctttat     180
catttgtaaa atgagtctct aggtacagcc ctttctgggg ttgagacaga gtttctgagg     240
agtaaaagcc atgtcattgt ggaaacaggc agctattctc acagctggca tgagcccact     300
actcccctat aatcagtgct gataaactgc tctcatttgt tggacttcag actttcctga     360
cccactttga atgggggcca ctttgaatgg aaactttcta tgtattgaat taaaagatct     420
ccaagataaa tggttaaatg aaaaagcaca gtgcaaaatg gtgcatatga tatcctacct     480
tttgggtaaa ataaaaaaaa aaaaaaaaa aaaaaactcg agcctctaga actatagtga     540
gtcgtattac gtagatccag acatgataag atacattgat gagtttggac aaaccacaac     600
tagaatgcag tgaaaaaaat gctttatttg tgaaatttgt gatgctattg ctttatttgt     660
aaccattata agctgcaata aacaagttaa caacaacaat tgcat                     705
```

```
          <210> 3285
          <211> 701
          <212> DNA
          <213> Homo sapiens

          <220>
```

```
<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 3285
gnngnnctaa tgctggctac ttgttctttt ngcaggatcc catcgattcg aattcggcac      60
gagtttacat tttgtttgaa tcaggatcca aataaggttt aaatattgca atttgattaa     120
tacattaaga ttcttttaat ctataagttc ctgctccatc tgtcatttta tttttatccc     180
ttgaaattta tttattgaag aaactatatc ctttgctttg taaaattttc cacagtgtgg     240
ctggctttgg ctgattgcta gcgtcatttg ctatttattt ttgtcctgta tcttggatct     300
ggcgccttga tcagatttaa gttgattttt ggggacgtaa ttacttcata ggtattatgc     360
attttggat agaggagtaa agtagtgaaa gtaatgtttt taggatggtt tgtctggcag      420
cagtgtgcaa aatgaattgg tagaggagaa atggagagct gcgaattaga aggcaggttc     480
aatcagtgca ggaaggaaag gctacagtaa ggcagaggca gggaaaagaa aggcaataga     540
gatgagagag attttgaaag aaggaatttt caatacctttt taggcttaac tataagaaat    600
ggagagtcgg ctgggcatgg tggctcatgc ctgtaatccc agcactttgg aaggccaagg     660
ccagtggatc acctgaggtc aggagttcaa gaccaacctg c                         701


<210> 3286
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 3286
actaatggtg ngtngctcgt ncttccgcag ganccnngcg ntgtcgaatt cggcacgaga      60
ttatatttga ttttgcatta ctgtttcaca atgaagcttt ctttaaggct ttgatttta      120
tgattatgaa agaaataagg cacaaccaca gttttctttt cttaaatttc atcactgttg     180
atgtggttct tttgtgttaa aaaaaaaag tgcaactatc aaaactaaaa aattatagag       240
taatattgcc gttctgctga ttttaaatat acaatacatc atacatactt tacaagcaag     300
ttaaatggag ataaagttga aatcatagaa gatgcaaatg acctttcaaa atcaacacaa     360
tgtgttctga aactttcgtg actaatacca tgcatctgtg atcaatgaac tatgtggttt     420
tgaatcggat gtagaccatt agtactacta cttgagctaa acttctgcat ggttcataat     480
ttttaaagtg tgtagttaat atgcatgtta tcgtcctttc ttccattctt aacagtatgt     540
gcccatttgc aaaacaaaaa tgctaataat cagtaatagt cctataaaag atgttaactc     600
tgtttagtca ttgactgatc ttgctctaac cttaaaattt tgtgattatt gacctctgtt     660
gcatttattc taaagccccc caaaaattat ctagccgttt cgaag                     705


<210> 3287
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 3287
nctaatgctg gctatngttc tttntgcang atcccatcga ttcgaattcg gcacgagcca      60
agcgcagccg attctgcccc ctacgattgg ttcggggact tctcctcctt ccgtgccctc     120
ctagagccgg agctgcggcc cgaggaccgt atccttgtgc taggttgcgg gaacagtgcc     180
```

918

```
ctgagctacg agctgttcct cggaggcttc cctaatgtga ccagtgtgga ctactcatca    240
gtcgtggtgg ctgccatgca ggctcgctat gcccatgtgc cgcagctgcg ctgggagacc    300
atggatgtgc ggaagctgga cttccccagt gcttcttttg atgtggtgct cgagaagggc    360
acgctggatg ccctgctggc tggggaacga gatccctgga ccgtgtcctc tgaaggtgtc    420
cacactgtgg accaggtgtt gagtgaggtg agccgcgtgc ttgtccctgg aggccggttt    480
atctcaatga cttctgctgc cccccacttt cggaccagac actatgccca agcctattat    540
ggctggtccc tgaggcatgc tacctatggc agcggtttcc acttccatct ctacctcatg    600
cacaagggcg ggaagctcag tgtggcccag ctggctctgg gggcccaaat cctctcaccc    660
cccagacctn ccacctcacc ttgcttcctt caggactcaa                         700
```

```
        <210> 3288
        <211> 704
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(704)
        <223> n = A,T,C or G

        <400> 3288
gtacaatgcn ggnngctcgt tctttccgca ggatcccncg atgcgaattc ngcccgagca     60
gagctgtgat ctgccccccag gtattctgac ccccaaactg gctctcaacc atgtttacat    120
gatgaaaaga agaggtgact gttgtatcag ctctaaaggc ctcacttttg gtgaaatggg    180
acctaaattt gattgcatac ttgattactt gctgtcaata ctgaaattgg cacttcataa    240
ttttaatact attgaacttt caccataacc ctgtcctata aagttgactt gcaaatgaag    300
aaactctatc tcttcaatat tataaaatat atccaagagt cacaactagt gagaaaagga    360
caggatctaa ctaacaatgt gaggctgtgt cttcacacca attcaacaga gtatcttgta    420
aatgttgaga ggagaggtac tttaggtcat gggtgtcttt caataagtgc tttagaaaac    480
aggtgacaac tgattgggcc ttgaggtatg aatggattta gccaggcaat taaataggaa    540
agcagatact caagacagat taaaacagct tgagagaagt gaaatgagca agtgtaagac    600
aattgatact gtccatggat tttagaaagt gtgaagtgga gtgattgtga tgaagcttga    660
aagattgcct ggggccaggc tgttgaangc ttggtttgct tant                     704
```

```
        <210> 3289
        <211> 704
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(704)
        <223> n = A,T,C or G

        <400> 3289
gtacaatgcn ggnngctcgt tctttccgca ggatcccncg atgcgaattc ngcccgagca     60
gagctgtgat ctgccccccag gtattctgac ccccaaactg gctctcaacc atgtttacat    120
gatgaaaaga agaggtgact gttgtatcag ctctaaaggc ctcacttttg gtgaaatggg    180
acctaaattt gattgcatac ttgattactt gctgtcaata ctgaaattgg cacttcataa    240
ttttaatact attgaacttt caccataacc ctgtcctata aagttgactt gcaaatgaag    300
aaactctatc tcttcaatat tataaaatat atccaagagt cacaactagt gagaaaagga    360
caggatctaa ctaacaatgt gaggctgtgt cttcacacca attcaacaga gtatcttgta    420
aatgttgaga ggagaggtac tttaggtcat gggtgtcttt caataagtgc tttagaaaac    480
aggtgacaac tgattgggcc ttgaggtatg aatggattta gccaggcaat taaataggaa    540
agcagatact caagacagat taaaacagct tgagagaagt gaaatgagca agtgtaagac    600
aattgatact gtccatggat tttagaaagt gtgaagtgga gtgattgtga tgaagcttga    660
```

919

```
aagattgcct ggggccaggc tgttgaangc ttggtttgct tant                        704
```

```
        <210> 3290
        <211> 700
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(700)
        <223> n = A,T,C or G

        <400> 3290
ctaatgctgg ctctngttct ttcngcagga cccatcgatt cgcagagatc aaacaattgt        60
agatcccttc agttcaaaac ataatgtgat tgtgggcaga aatggatctg gaaaaagtaa       120
cttttttat gcaattcagt ttgttctcag tgatgagttt agtcatcttc gtccagaaca        180
gcggttggct ttattgcatg aaggtactgg tcctcgtgtt atttctgctt ttgtggagat       240
tatttttgat aattcagaca accggttacc aatcgataaa gaggaagttt cacttcgaag       300
agttattggt gccaaaaagg atcagtattt cttagacaag aagatggtca cgaaaaatga       360
tgtgatgaac ctccttgaaa gcgctggttt ttctcgaagc aatccttatt atattgttaa       420
acaaggaaag atcaaccaga tggcaacagc accagattct cagagattaa agctattaag       480
agaagtagct ggtactagag tgtatgacga acgaaaggaa gaaagcatct ccttaatgaa       540
agaaacagag ggcaaacggg aaaaaatcaa tgagttgtta aaatacattg aagagagatt       600
acatactcta gaggaagaaa aggaagaact agctcagtat cagaagtggg ataaaatgag       660
acgagccctg gaatatacca tttacaatca ggaacttaac                             700
```

```
        <210> 3291
        <211> 704
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(704)
        <223> n = A,T,C or G

        <400> 3291
ctaatgctgg ctctcgttct ttctgcagga tcccatcgat tcgcactggg ttccaagttg        60
ctttgctgaa taaggatttg aagccacaga catttagaaa tgcttatgac ataccaagac       120
gaaatctttt ggatcactta acaagaatga gatctaatct tttgaagagc actcgcagat       180
ttctgaaagg acaggacgaa gatcaagtgc acagtgttcc tatagcacaa atggggaact       240
accaggaata cctcaagcaa gtaccttctc cactaagaga acttgatcct gatcagccac       300
gaaggttgca tacatttggc aacccctta agctggataa gaagggtatg atgatagatg       360
aagcagatga atttgtggct ggacctcaaa ataaacataa acgacccgga gaaccaaata       420
tgcaagggat ccctaaaaga cgtcggtgta tgtctccact actaagaggc agacagcaga       480
atcctgttgt aaacaatcat attgggggaa aaggaccacc tgcacctaca actcaagcac       540
agccagatct tattaaacct cttcctcttc ataaaatttc agaaccact aatgattcga        600
taatacatga tgtggttgaa aatcatgttg cagaccaact ttcatcagac attacaccaa       660
atgctatgga tacggaattt tcagcatctt ctncagccag ttag                        704
```

```
        <210> 3292
        <211> 701
        <212> DNA
        <213> Homo sapiens

        <220>
```

<221> misc_feature
<222> (1)...(701)
<223> n = A,T,C or G

<400> 3292
ctaatgctgg ctnttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagccca   60
catgtaccag gttgagtttg aagatggatc ccagatagca atgaagagag aggacatcta   120
cactttagat gaagagttac ccaagagagt gaaagctcga ttttccacag cctctgacat   180
gcgatttgaa gacacgtttt atggagcaga cattatccaa ggggagagaa agagacaaag   240
agtgctgagc tccaggttta agaatgaata tgtggccgac cctgtatacc gcactttttt   300
gaagagctct ttccagaaga agtgccagaa gagacagtag tctgcataca tcgctgcagg   360
ccacagagca gcttgggttg aagagagaa gatgaaggga catccttggg gctgtgccgt   420
gagttttgct ggcataggtg acagggtgtg tctctgacag tggtaaatcg ggtttccaga   480
gtttggtcac caaaaataca aaatacaccc aatgaattgg acgcagcaat ctgaaatcat   540
ctctagtctt gctttcactt gtgagcagtt gtcttctatg atcccaaaga agttttctaa   600
gtgaaaggaa atactagtga atcacccaca aggaaaagcc actgccacag aggaggcggg   660
tccccttgtg cggcttangg ccctgtcagg aaacacacgg g   701

<210> 3293
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 3293
nctaatgctg ggctctcgtt ctttccgcag gancccatcg attcgaaaaa ttgtgatgta   60
agtggtacag tggggagaat ttagggctct cagaatgcag aaaactagcc acctccagtt   120
ctgtgcctga ccaccatctg actttggata aatcccttct gctctcccac ctagctttat   180
catttgtaaa atgagtctct aggtacagcc ctttctgggg ttgagacaga gtttctgagg   240
agtaaaagcc atgtcattgt ggaaacaggc agctattctc acagctggca tgagcccact   300
actcccctat aatcagtgct gataaactgc tctcatttgt tggacttcag actttcctga   360
cccactttga atgggggcca ctttgaatgg aaactttcta tgtattgaat taaaagatct   420
ccaagataaa tggttaaatg aaaaagcaca gtgcaaaatg gtgcatatga tatcctacct   480
tttgggtaaa ataaaaaaaa aaaaaaaaa aaaaactcg agcctctaga actatagtga   540
gtcgtattac gtagatccag acatgataag atacattgat gagtttggac aaaccacaac   600
tagaatgcag tgaaaaaaat gctttatttg tgaaatttgt gatgctattg ctttatttgt   660
aaccattata agctgcaata aacaagttaa caacaacaat tgcat   705

<210> 3294
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 3294
gnnnctaatg gcngggctct cgttctttct cgcaggatcc cnncgattcg aattcggcac   60
gagctctatc ttgtttattg ttgatgccat cttagaggaa aaaatgtaaa ggtaagtaat   120
taagcatatg acagcaacaa ataagatact tataacctaa tgggacttta ttttgtagtt   180

921

```
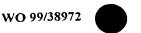ttatgtatta caaaaaatcc acctttctct aaggggaagt ttgtacccca ttgattcttg      240
gtgcctttgg datcgactgg gttttaatgg cctagttatt tgaggatttt gctgtgttgt      300
tttccatgtc ttctctggtc accttggatt atatataaaa atacaggaaa tagataaaca      360
tgaatgtgat taataatgct gaaaaagtat tagcctacca aagacacact caggctttag      420
tgaataactt tacataacct cagttttaa cacatgcata tcttctccaa ccatgaaatc      480
aaagcacggt gcagaacttg taccaagtac aaaaggtcca tgtatgatta gcattatttt      540
cttttgcttt tgtttatgga caatgttcag ctgacataag cagaagttgg ccaaaatact      600
gcctgtactg ttaatttcct gtataattca cttaaataaa agcaggttaa cctcaatgat      660
agcagttaaa atgttctatc ttatgtattt cttttaagta ttaccattan                710
```

```
<210> 3295
<211> 1073
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1073)
<223> n = A,T,C or G

<400> 3295
ttnactnatc gcttggcttg ttcttttttgc aggatcccat cgattcgaat tcggcacgag      60
ggtaaagagc aagtaatgag cttgtccgtc agctggtagc tttcattcgt aaaaagagata     120
aaagagtgca ggcgcatcga aaacttgtgg aagaacagaa tgcagagaag gcgaggaaag     180
ccgaagagat gaggcggcag cagaagctaa agcaggccaa actggtggag cantncatat     240
annanntctg gtcgnctntn gnctntttgt ttantcnnat cntcccccct nccnctcntc     300
tnntccnccc tcttatnact tcnttnttcc ntctttnttc tntncccctc tccncttnna     360
tcttccnntt ntnnttntcc ntcccttctc ncncctnctc ttctctcntt cctcttcatt     420
ctntccnctc ccttctctct ttcactctcn tcncttctct tctctattct cttcnntcnn     480
tntcttctcc tatccactna cntcctntct ctctcatccn atctcatnnc tctctctcat     540
ncntannnctc tctctccact ttctctctac natntctcnc tactctctna tcananacct     600
cttntccntc ttctatcnct ctctactnct ctctctctct tactatctct ctntctnttc     660
tttcctctnc ntcntctcac ttcntactnt tatttctctn nttctcatca gtctcttnct     720
atctctttct ctncngttta ctntctncat ctcntatctc tnctatntct ccttctctct     780
cctcctatnt ctanatcatn tctcntncat ctnantctct cccttcatc cgtctcnacc     840
aantncttnt acntgcntcc tcnccnnctc ttcnttttca tattctctct ctcttcnttn     900
ttctnactct ctccctctct ctctnttcct actgcntgct tctncactnn ctccttanct     960
acanccatna ctcacctcat ctcatctcct cnnctcnctc tctctcncat ntntttctct    1020
nctttntatc catcnttcnt cntncctctt ctctcacact acttntctct nnt           1073
```

```
<210> 3296
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 3296
ctaatggctg gnngctcgtt ctttccgcaa cancccngcg antcgaattc ggcacgaggt      60
ccgaagaaaa agactgtggt ggcggagatg ctctctccaa tggcatcaag aaacacagaa     120
caagtttgcc ttctcctatg ttttccagaa atgacttcag tatctggagc atcctcagaa     180
aatgtattgg aatggaacta ccaagatca cgatgccagt tatatttaat gagcctctga     240
gcttcctaca gcgcctaact gaatacatgg agcatactta cctcatccac aaggccagtt     300
```

```
cactctctga tcctgtggaa aggatgcagt gtgtagctgc gtttgctgta tctgctgttg    360
cttctcagtg ggaacggact ggaaaacctt tcaacccact gctgggagag acttatgaat    420
tagtgcgaga tgaccttgga tttagactca tctccgaaca ggtcagccat cacccaccaa    480
tcagtgcatt tcatgctgaa ggattaaaca atgacttcat ctttcatggc tctatctatc    540
ccaaactgaa attctggggg aagagtgtag aagcagaacc caaaggaacc atcaccttgg    600
agctccttga acacaatgag gcatatacat ggacaaatcc cacctgctgt gtgcataata    660
tcattgtggg taaactgtgg atcgaacagt atggcaatgt ggaaat                   706
```

        <210> 3297
        <211> 709
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(709)
        <223> n = A,T,C or G

        <400> 3297

```
nctaatgctg ggctactngt tctttntgca gnatcccatc gattcgaatt cggcacgagg     60
acagccccaa tccgggagca ggagggcctc ctgccttggc atatagaccc ctgggcgcct    120
ccctgggatg cccaccaggc ccagggatcc acctaggtgg gtttggcaac cctggtgatg    180
gcagtggtag tggcacatcc tgcctttgca gccagccctc cgtcacacgg actgtgcaga    240
aggatggacc caacaagggg cgccagttcc acacatgtgc caagccgaga gagcagcagt    300
gtggcttttt ccagtgggtc gatgagaaca ccgctccagg gacttctgga gccccgtcct    360
ggacaggaga cagaggaaga accctggagt cggaagccag aagcaaaagg ccccgggcca    420
gttcctcaga catggggtcc acagcaaaga aaccccggaa atgcagcctt tgccaccagc    480
ctggacacac ccgtcccttt tgtcctcaga acagatgagc tcagggtagg gtagagaacg    540
ccactttctc agacctgtcc cctttgtgtt tagaaatgag ttaaccagga ccaagtggcc    600
atttagtgtc ctggaaactt agaggacagt gttggccttt ggagtcgggc cttcttgtgt    660
taaggggcac aaggtccaga tcactctgga gcaggccagc ttctgttgg                709
```

        <210> 3298
        <211> 709
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(709)
        <223> n = A,T,C or G

        <400> 3298

```
gtncnaatng ntntgtagat cganntagcc taaacaaatt ggcttgncgc cccttccttc     60
tgtctctgga gacccttgac ttggggaaat atggaggggt gtgtgtctgc aatcaaggcc    120
tctgcagctc acggctggcc cggtgggctg ggacttccgt ctgaatttta aatacttagg    180
gttcattttt ttttctctgg caacaaagct tgatgttttc actgctttag tttcctgttt    240
gctggtggga ggggatacgg tctgtgactc tggacttgct ctgggggaac agttgtcact    300
gcccccgggg agaggggcag cttgggctgg agaagcacag ccagagacag agccctcga    360
gagggatcct tggctgcttc attgtcttcc ccccagcaag ccctgctctc cacaggcacc    420
tctggggtct tggtatggtc cccgctcacc tccttccaga gtcctgagtg gtgtgggtgt    480
gggtggcaca ggatctgggg catgggangg gtcagagctt ccagagcccc ntgtcctgnc    540
anactcagct ngtgggctgg ngtgttaacc ccagtcctgg cgtangttta cagnctctca    600
aggtacntng nccctgntc tcctgggana nangnntcnn tnatgatccc taccaaagca    660
catgtnggat naaggctgnc nnntgcnttg nntcganagc cngaagccc                 709
```

```
        <210> 3299
        <211> 783
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 3299
gtaantaatt anctgnagct cgaantagcc taaacanatt ggctngncga attcggcacg       60
agacccgagg ctcggtgtac taggtgcgaa tgccgccttc tgtggtgacc actgtcttct      120
catcctttgc acctatagga ggtgagtgcc tttggggaag acggcgaggg cgacgacctg      180
gacctatgga cagtgcgctg ctctggacag cactgggagc gtgaggctgc tgtgcgcttc      240
cagcatgtgg gcacctctgt gttcctgtca gtcacgggtg agcagtatgg aagccccatc      300
cgtgggcagc atgaggtcca cggcatgccc agtgccaaca cgcacaatac gtggaaggcc      360
atggaaggca tcttcatcaa gcctagtgtg gagccctctg caggtcacga tgaactctga      420
gtgtgtggat ggatgggtgg atggagggtg gcaggtgggg cgtctgcang gccactcttg      480
gcagagactt tgggtatgta ggggtcctca agtgcctttg ngattaaaga atgttggtct      540
atgaaaaaaa aanntnnccc antcnccaan ncnttctncn nnanctcnnt tnntncntcc      600
antttnncct ntncnccta ntctnccnct acttccnatn naccnataca tccccntcac      660
ttnattaant ccnatnttan antngcncnc tnntcnnacn ntcntctcat acntggtntn      720
atcanttctc tanatcctct ctcnnctctc cgncgctnna ctncttcctn tancactcac      780
cct                                                                   783

        <210> 3300
        <211> 705
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(705)
        <223> n = A,T,C or G

        <400> 3300
atgctgganc taatnctggc ntctcgttct ttccgcagca cccncgattc gaattcggca       60
cgaggcctgc tgcttcatgc cgccggcgtc ctgctccacg tctctgtgct gctgggccct      120
gcactgtcgg ccctgctgcg agcccacacg cccctccaca tggctgccct cctcctgctt      180
ccctggctca tgttgctcac aggcagagtg tctctggcac agtttgcctt ggccttcgtg      240
acggacacgt gcgtggcggg tgcgctgctg tgcggggctg ggctgctctt ccatgggatg      300
ctgctgctgc ggggccagac cacatgggag tgggctcggg gccagcactc ctatgacctg      360
ggtccctgcc acaacctgca ggcagccctg gggccccgct gggccctcgt ctggctctgg      420
cccttcctgg cctccccatt gcctggggat gggatcacct tccagaccac agcagatgtg      480
ggacacacag cctcctgact ccaggaagag ccagagctgt gcagggagga aggggtgaga      540
ggggggcccc cacacctaga ctcagtaagg aagtcgggtt ggaccttaac atctgcattg      600
gacaactcca cccccttcctt ggccttgccc ctgcccgcct acactcctac gtgtccaggg      660
cttgggcccg tgacttangc agaggagtgc agaggagggt ctggc                     705

        <210> 3301
        <211> 710
        <212> DNA
        <213> Homo sapiens

        <220>
```

924

<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 3301

```
tntctnaatn tgntnncgna tcttgaggac ccatcgttca attccgnncc nagggggnan    60
ctncccntac tccntggatg tgtgtaccta gcacacttcc ttctcccacc ccttttttcca   120
gttggatttg tttttctgtt ctcttctgtc ctgtcttata ctgcaactgt gtctcctagg   180
ggacagatgg ccttctttgt catcttcact ctccacccccc agagaggagt cagagccata   240
actcaatcac tcagcccctc caaagatagt tgatgtgtga taatctcata atgttgagaa   300
ccctgatgag atacattgtc ttcctctccc tacaatgcct ctggggccaa ggcacccatt   360
cttcttgcta tcctccatcc cccttgaggc ttccactttt tttttttta dacataaagc   420
tgggcatcag caactggcct gtggtgatgc aaagctgctt tgctctgnat ctggctggac   480
tgatctgtct cacaagaagc catgaggcca tagggagaag ctccctctcc ccttcatctt   540
ctgctccaaa ggtggtanca agaggagtac ccagttaggg gttggagccc ccatatnaca   600
tcttcctgtc agaagactga tggatctttt tcattccaac catctccctt ttccccgat    660
gaatgcaaat naaactttg tgacaccagc aacccattgc tctttanaat                710
```

<210> 3302
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 3302

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nnatgctggn nctaatgctg gctactngtt ctttnngcag gacccatcga ttcgaattcg    60
gcacgaggga ctaacttaca gaggagctgt gtatcctgaa gattcagcga ctggcaagga   120
atttccttgg gagcaatgtg tgagggaggc catctgagga gatctgtggc tttcttttgt   180
tgtgggaatc tggcttatgg atgaatctac gacacaggat tgtgaaatta cagctctttg   240
ggaacaaaag gaaggcagta ttgcatgact tagtttccca gcttcacttt ccctttggca   300
tggtgagttt ggggtcttga gagtctattt tctttcacac ccatcagcac tgttaagtaa   360
gcaggaagac aacctgaggt tgtctcttta ctttgagttc ctacataata aattgcagcc   420
taatttagta cataaaccca aacctaattt aggagtaaat tttttgtagc agatagccag   480
atttcagcca atcacaggct tccagctaac aagactatgc ccaaataagg caaatgcctc   540
atcacatgat gctcaaataa ggcagccacc taggcgaggc caatcaggta acttttctac   600
tttgcttaat tgttcagcct gtacaaattt gctgcttatg actgctgagc agagctgtct   660
aaacctcttc tggtttggag tgctgcctta tatatgaatt gttctttgg                709
```

<210> 3303
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = A,T,C or G

<400> 3303

```
aacgctggnn ctaaatggct ggctatcgtt ctttccgcag nanccentcg attcgaattc    60
ggcacgagct gcgacccctc ggaccagtgc ccgccccagg cccgctggag cagcctgtgg   120
cacgtggggc tcatcctgct ggcggtcctc ctgcttctgc tgtgtggtgt cacagctggt   180
```

925

```
tgtgtccggt tctgctgcct ccggaagcag gcacaggccc agccacatct gccaccagca   240
cggcagccct gcgacgtggc agtcatccct atggacagtg acagccctgt acacagcact   300
gtgacctcct acagctccgt gcagtaccca ctgggcatgc ggttgcccct gccctttggg   360
gagctggacc tggactccat ggctcctcct gcctacagcc tgtacacccc ggagcctcca   420
ccctcctacg atgaagctgt caagatggcc aagcccagag aggaaggacc agcactctcc   480
cagaaaccca gccctctcct tggggcctcg ggcctagaga ccactccagt gccccaggag   540
tcgggcccca atactcaact accaccttgt agccctggtg ccccttgaag gaggtaggag   600
aacggaccag agcttggaga actaatgctt ggagccaagg gccccagccc accccaccgt   660
cccacacatt gctgtggccc caacctcggt gccatgttac accggcccct gg          712
```

```
        <210> 3304
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(707)
        <223> n = A,T,C or G

        <400> 3304
gnanctaatn gcntgggcna ctcgttcttt ccgcagganc cctcgattcg aatcggcacg    60
aggagttttt tgtgatattg aggcattcat acagagctgc agttagacgg ggttacgggg   120
gctaaaagca gaaaaaaaat tccatttcat cgggatggaa ctgaaggatt ttattctata   180
aagcggccct ggttgaatct ggcaattctt tttgccaaga tccctagcag aagatttagc   240
catgtccttc ccctcacttg tgtgagtggc cccttctgaa tctctccagc agccagaggc   300
acgtgagaag cagaaagagc tggtaaataa agccttgggc aagcgacttc ttagatcaga   360
actcaccaaa tggaagccta gcagctgctc cataaaccta gccccattct tcatatcaat   420
tttgtataaa tatatagaaa cacacacaca gcctcagact tacaaactga ttatactcta   480
aaagtttgta tgtcagttag ctaaaacttc agaatacatt tctccctata aagagttata   540
aatgatggtt tagttctcag gcagctacaa atgcctattt attccctaat gtacctgaac   600
actagtacca tagaactgaa ccaccatctg tatcagcgca tggggagtgt gcattctgag   660
gtctaacccg gggtgccagg aacacacaca tcctccatcc cagcata                707
```

```
        <210> 3305
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(707)
        <223> n = A,T,C or G

        <400> 3305
gnanctaatn gcntgggcna ctcgttcttt ccgcagganc cctcgattcg aatcggcacg    60
aggagttttt tgtgatattg aggcattcat acagagctgc agttagacgg ggttacgggg   120
gctaaaagca gaaaaaaaat tccatttcat cgggatggaa ctgaaggatt ttattctata   180
aagcggccct ggttgaatct ggcaattctt tttgccaaga tccctagcag aagatttagc   240
catgtccttc ccctcacttg tgtgagtggc cccttctgaa tctctccagc agccagaggc   300
acgtgagaag cagaaagagc tggtaaataa agccttgggc aagcgacttc ttagatcaga   360
actcaccaaa tggaagccta gcagctgctc cataaaccta gccccattct tcatatcaat   420
tttgtataaa tatatagaaa cacacacaca gcctcagact tacaaactga ttatactcta   480
aaagtttgta tgtcagttag ctaaaacttc agaatacatt tctccctata aagagttata   540
aatgatggtt tagttctcag gcagctacaa atgcctattt attccctaat gtacctgaac   600
actagtacca tagaactgaa ccaccatctg tatcagcgca tggggagtgt gcattctgag   660
```

926

```
gtctaacccg gggtgccagg aacacacaca tcctccatcc cagcata                    707
```

```
        <210> 3306
        <211> 703
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(703)
        <223> n = A,T,C or G

        <400> 3306
ctaatgcttg gctantngtt cttttttgcag gatcccatcg attcgaattc ggcacgagat      60
tagctgcttg tggtgggggcc ccaaccgccc tcgggcactg gggagctggg ctggggctgc     120
tgctctgggg tctccggggg ccacagcttg gggtgagttg aagacctcag gggatgtgga     180
ggggtctgcg gggccctggc cgcacaggat ggccttcagg gaaggtggtc ttggggcatg     240
gtgcagagca ggtgaccgga gggaatcggt gacggagcgg ggccaaggga ggggtccgga     300
gggagtcagg gatggagggc agagggagtg gatgtggggg tttgaggacg tgtgacaagc     360
tccagcaggg gtgggggccg ggctgagggt ggggggtgcga ggtggtcact cccatcgtgc     420
ccctggccgt ccctccactc acccacacct ggcccagtcc acgttgaggt ccaggactgg     480
gaaggaccgg gtgagtgcac cggggaccca ggccaggtgc ccccggagc ctgctggggt      540
ggccagagca ggaggggggtg tgtttccttt ttgtgggtgt tgcatgcaaa tcaagtggac     600
aagaaaaaat aacanaacan anaanaaaaa aaaaaactcg agcctctaga actatagtga     660
agtcgtatta cgtagatcca gacatgataa gatacattga tga                       703
```

```
        <210> 3307
        <211> 710
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(710)
        <223> n = A,T,C or G

        <400> 3307
gnnccntaaa tngctgggct actcgtnctt tctcgcacgn anccnnncgn ttcgcacaaa      60
gggagaactt cctcgaggct ggaactgggt tgatgttgtg aagcatttaa gcaaaactgg     120
ctctaaggat gatgagtagc acttggaatt tgagacaagg aaagagcatt cttttaaagag    180
taaaactggg ttcaaaatct ttcattacta ttttctggta ttgaggcgac ttttttataaa    240
acacaatttt ttgtatgttt cttacattaa aaaggttgta agttgaaagt tcatgaagag     300
atcttgttgt attaaattat tttcacaaac ttgccttaat aaaaggtgaa aatgttactg     360
tttagtatac tttatgaagc cccttgagct ttataaatgg acaggcatgg ggaataagaa     420
tcagtgttaa tttaaatgat cttatcctgg tggatgtgct attttcttaa aggagtatga     480
agcccttttc aaactatcat cccagtggag cggagtactc agtgaacagt tactccatag     540
tgcaatccat attaataggc ttcttctctt aagtcttcat ctcttctttt gcttaattac     600
tgaaccgtaa attacttcag agaaatttaa atgctggtat ttgaacttta tacatgatac     660
tttttgtagt ttctttaat ttttgaaaga tgaactgctt cctttaanc                  710
```

```
        <210> 3308
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
```

927

```
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 3308
nnannnnnnn tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngtnctaa        60
tgctggcnat cgttctttcc gcagcagccc ancgattcga attcggcacg agataacaca       120
gactttcaag gaccaaggat tggaggtttt aaagcaggaa acagcagttg ttgaaaacgt       180
ccccattttg ggactttatc agattccagc tgagggtgga ggccggattg tactgtatgg       240
ggactccaat tgcttggatg acagtcaccg acagaaggac tgcttttggc ttctggatgc       300
cctcctccag tacacatcgt atggggtgac accgcctagc ctcagtcact ctgggaaccg       360
ccagcgccct cccagtggag caggctcagt cactccagag aggatggaag gaaaccatct       420
tcatcggtac tccaaggttc tggagcccca tttgggagac ccaaaacctc ggcctctacc       480
agcctgtcca cgcttgtctt gggccaagcc acagccttta aacgagacgg cgcccagtaa       540
cctttggaaa catcagaagc tactctccat tgacctggac aaggtggtgt tacccaactt       600
tcgatcgaat cgccctcaag tgaggccctt gtcccctgga gagagcggcg cctgggacat       660
tcctggaggg atcatgcctg gccgctacaa ccaggaggtg ggccagacca ttcctgtctt       720
tgccttcctg ggagccatgg tggtcctggc cttctttt                              757


<210> 3309
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 3309
ctaatgctgg anctaatngc tgggctctcg ttctttncgc agganccctc gattcgaatt        60
cggcacgagg tcacatctta gatggatggt ggcagacaaa aagagagagc ttatttaggg       120
aaactctgtt tttaaaacca tcagatctca tgcaacttat tcaccatcac aagaacagca       180
gggcacagac ccatccccat gattcaatca tttcctactg ggtttcttcc acagcatgta       240
ggaattatgg gagctacaag atgagatttg ggtggagaca cagagccaaa acacatcaga       300
tgccatggaa atacaatgag gaaaagacag tctttccaat aaactgtgct gggaaacctg       360
gctatccata tgcaaaagaa tgaaactgga tctccatctc cctccttata taaatataaa       420
atcaaaatgg attaaagatt taaatctaag accttatact ataaaactaa aaaagaaaac       480
agtgggaaac tctctgggac attagtctgg gcaaaaattt cttgagtaat acccctcaag       540
cacagacaac aaaagcaaaa atggacaaat gtgaacacat caagttaaaa actatctgca       600
catcaaagga aacaatcaac aacgtgaaca gacagcccac agaatgagag aagtatttgc       660
aagatactca tctgacaagg gattaataga atatataagg agctcaaata                  710


<210> 3310
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(710)
<223> n = A,T,C or G

<400> 3310
ctaatgctgg anctaatngc tgggctctcg ttctttncgc agganccctc gattcgaatt        60
cggcacgagg tcacatctta gatggatggt ggcagacaaa aagagagagc ttatttaggg       120
```

928

```
aaactctgtt tttaaaacca tcagatctca tgcaacttat tcaccatcac aagaacagca    180
gggcacagac ccatccccat gattcaatca tttcctactg ggtttcttcc acagcatgta    240
ggaattatgg gagctacaag atgagatttg ggtggagaca cagagccaaa acacatcaga    300
tgccatggaa atacaatgag gaaaagacag tctttccaat aaactgtgct gggaaacctg    360
gctatccata tgcaaagaa tgaaactgga tctccatctc cctccttata taaatataaa     420
atcaaaatgg attaaagatt taaatctaag accttatact ataaaactaa aaaagaaaac    480
agtgggaaac tctctgggac attagtctgg gcaaaaattt cttgagtaat acccctcaag    540
cacagacaac aaaagcaaaa atggacaaat gtgaacacat caagttaaaa actatctgca    600
catcaaagga aacaatcaac aacgtgaaca gacagcccac agaatgagag aagtatttgc    660
aagatactca tctgacaagg gattaataga atatataagg agctcaaata               710
```

```
        <210> 3311
        <211> 695
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(695)
        <223> n = A,T,C or G

        <400> 3311
ctaatgctgg gctggcgntc tttccgcaag anncctcgat tcgcccaggc tgacaggggc     60
tctgccgtct ttaacatgtg actttctagg tcagtcatct ggtcattgct tttccacaca    120
gcagataaga caaaggagtg gaaatagagg ggtagagatt ttctcttaaa cgtgtgaggc    180
tggagtggta tgcttcattg gcaagaacct ggtcctagcc tgcctagctg aaaggagggg    240
agtcagggag atgcactttg cagccaaaat tctgttgcca agaaggggaa agtagatttg    300
gttggatttt gatctgtgtt tgctgctgtg ttactctata attcagccat gtactctgga    360
ggtttagcta tgttgtagcc aattgatcta tctcattcct ttttactact gtacattata    420
ccacaataag agcatgctac gctttgttta gctgctagct gtttccttcc taatggatag    480
ttagctgatt tctgttgttt ttctctgaga accaatgttg caacgcccat cgaggaactc    540
tgcccccccag atatatgtac atgtgtgatg tttctctttt atgggaactg ggtcatcaag    600
catgtgtctt tagtctggat agctattgtt aaactgccta caaactgagc agatctatta    660
atatcagtta cacttgggcc tttggggttt gagan                               695
```

```
        <210> 3312
        <211> 695
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(695)
        <223> n = A,T,C or G

        <400> 3312
ctaatgctgg gctggcgntc tttccgcaag anncctcgat tcgcccaggc tgacaggggc     60
tctgccgtct ttaacatgtg actttctagg tcagtcatct ggtcattgct tttccacaca    120
gcagataaga caaaggagtg gaaatagagg ggtagagatt ttctcttaaa cgtgtgaggc    180
tggagtggta tgcttcattg gcaagaacct ggtcctagcc tgcctagctg aaaggagggg    240
agtcagggag atgcactttg cagccaaaat tctgttgcca agaaggggaa agtagatttg    300
gttggatttt gatctgtgtt tgctgctgtg ttactctata attcagccat gtactctgga    360
ggtttagcta tgttgtagcc aattgatcta tctcattcct ttttactact gtacattata    420
ccacaataag agcatgctac gctttgttta gctgctagct gtttccttcc taatggatag    480
ttagctgatt tctgttgttt ttctctgaga accaatgttg caacgcccat cgaggaactc    540
tgcccccccag atatatgtac atgtgtgatg tttctctttt atgggaactg ggtcatcaag    600
```

929

```
catgtgtctt  tagtctggat  agctattgtt  aaactgccta  caaactgagc  agatctatta       660
atatcagtta  cacttgggcc  tttggggttt  gagan                                     695
```

```
        <210> 3313
        <211> 701
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(701)
        <223> n = A,T,C or G

        <400> 3313
nctaatgctg  gctgttgttc  tttttgcagg  atcccatcga  ttcgaattcg  gcacgaggtc        60
cagaaatact  ctgatactag  ctatggtcag  caacatttaa  tgaaaaccct  tatgttaaaa       120
ataaacccct  gcctcctggc  ttcaagcgat  tctcctgcct  cagcctcctg  agtagctggg       180
agtataggca  cgtaccacca  cacccagcta  attttttgta  tttttactag  agatgggttt       240
cacagtgtta  gccaggatgg  tttcgatctc  ctgacctcat  gatccgcccg  cctcggcctc       300
ccaaagtgct  gagattacag  gcgtgagcca  ctgtgcccgg  cctcaaaatc  ttaagaaaag       360
gttcttttgg  tgcatggagt  tttacatgga  ataagttagt  gcctctgcaa  tttaaatatt       420
ttttacacag  atttgatgct  gtgcaaatgc  cctctcccct  tttaggtgtt  gcttgttcag       480
tatctcaagc  ccagaaagat  gaattaatcc  ttgaaggaaa  tgacattgag  cttgtttcaa       540
attcagcggc  tttgattcag  caagccacaa  cagttaaaaa  caaggatatc  aggaaatttt       600
tggatggtat  ctatgtctct  gaaaaaggaa  ctgttcagca  ggctgatgaa  taagatctaa       660
gagttacctg  gctacagaaa  gaagatgcca  gatgacactt  n                            701
```

```
        <210> 3314
        <211> 704
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(704)
        <223> n = A,T,C or G

        <400> 3314
nnnnctaatg  ctggctactc  gttctttncg  caggatccca  tcgattcggg  ctaaaaccca        60
ggttcagcaa  cttcttgtct  caatcaccct  tcagtcagag  tgtgatgctt  tccccaacat       120
atcttcagat  gagtcttata  ctttacttgt  gaaagaacca  gtggctgtcc  ttaaggccaa       180
cagagtttgg  ggagcattac  gaggtttaga  gacctttagc  cagttagttt  atcaagattc       240
ttatggaact  ttcaccatca  atgaatccac  cattattgat  tctccaaggt  tttctcacag       300
aggaattttg  attgatacat  ccagacatta  tctgccagtt  aagattattc  ttaaaactct       360
ggatgccatg  gcttttaata  agtttaatgt  tcttcactgg  cacatagttg  atgaccagtc       420
tttcccatat  cagagcatca  cttttcctga  gttaagcaat  aaagtgagta  aattgtattg       480
tactctgtct  acaaaaacat  tgggtatagt  ttcattacaa  gtttgtagct  taaatgtttg       540
ttcttatgga  tagaatcaaa  gtgtaaaaat  cagatgttta  tggttttaa   ttttttttggc      600
tgtgacttag  cattttacat  ccataaaact  ttttttgtta  ttgntataac  ggttactgta       660
attgttactg  tgaatatcaa  caatcttggg  gaagtgtaaa  tccg                         704
```

```
        <210> 3315
        <211> 702
        <212> DNA
        <213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(702)
        <223> n = A,T,C or G

        <400> 3315
gnnctaatgc tggctcttgt tcttttgcag gatccctcga ttcgtttttt aagagataag      60
gtcttgctat gttatctagg ctggcctaaa cttctgggct gaagtgatcc tcctgtgtag     120
ctgggactac aagcatgtgc caccaatgcc tggcttctca cactgttttg taacatagat     180
atgtgaagat gtgtattata gaattgtttg taatactgta gtgttgtagg caatgtgact     240
gtctataggg aagtggacag gttatttgtg gtaaatactc atggaaaacg gtcaagcagt     300
taaaagcaat caattatggt cacccagcaa tgcagataaa tcttaaaagc atatgatgct     360
atgataccaa agcacaagca ccgcccctgt aaatagagga attagatttc ttcagcatta     420
aaactttgtg catcaaagga tagtatcaag aaagtaaaaa gacaaatgga gaatgggaga     480
aaaatacttg caaaccatgt atctgataaa ggtctagtat tcagaaaaca attcaacaat     540
aaaaaagaca ataactgag ttataaatgg caaaggattt aaatagacat ttctctatgt     600
aaagaagatt tacaaatagt caataagcac atgaaaaaga tgttcaacat cattactcat     660
cagcaaaatg ccaatcaaaa ccacaatgaa ataccatttc at                       702


        <210> 3316
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
        <223> n = A,T,C or G

        <400> 3316
gnnnntttnn nnnnntttnt aaananacag gctacttgtt cttttgcag gatcccatcg      60
attcgaattc ggcacgaggc cacacgggcc gcatcatccc tgcaatctgg ttccgctacg     120
acctcagccc catcacggtc aagtacacag agagacggca gcccgcttgt acagattcat     180
caccacgatc tgtgccatca ttgggcggga ccttccaccgt cgccggcatc ctggactcat     240
gcatcttcac agcctctgag gcctggaaga agatccagct gggcaagatg cattgacgcc     300
acacccagcc taatggccga ggaccctggg catcgccagc cttgcctcca gtgccctgtc     360
tcctttggcc ctcaatctgg tcccaaatct ggctgtgtcc caaagggtgt gtgggaagtg     420
gggggaaagt agaggatggc tcgatgtttt gcagctacct cttttccccg tgtttctttt     480
tagacaaatt acactgcctg aagttgcagt tcccctttcc tggggagccc caagaacaga     540
gtcaggcaag gggtggggag tncagggatc ttggggaccc ctnctaggag agctgcagtc     600
tcttnccctta ggggaacatn ccanaatgca tatngatcag ctntnagcca ggctttngac     660
aattttccag cccccaacta ggtgggacac attaatgaat ttgggttttt ccttgggca     720
agccaacctg ncccaaangc accaaaactg gggctttan n                         761

        <210> 3317
        <211> 716
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(716)
        <223> n = A,T,C or G

        <400> 3317
tacagctact tgttcttttt gcagatccca tcgattcgtt ctcagatacc tgatggatcc      60
```

931

```
agacacattc actttcaact ttantaatga cccttnggtc cttcgacggc gccagaccta   120
cttgtgctat gaggtggagc gcctggacaa tggcacctgg gtcctgatgg accagcacat   180
gggctttcta tgcaacgagg ctaagaatct tctctgtggc ttttacggcc gccatgcgga   240
gctgcgcttc ttggacctgg ttccttcttt gcagttggac ccggcccaga tctacagggt   300
cacttggttc atnttctgga gccctgctt ctcctggggc tgtgcccggg aaagtgcgtg   360
cnttccttca ggagaacaca cacgtgagac tgcgcatctt cgctgcccgc atctatgatt   420
atgacccct atataangag gcgctgcaaa tgctgnggga tgctggggcc caagtttcca   480
tcatgaccta cgatgagttt gagtactgct gggacacctt tgtgtaccga cagggatgtc   540
cttncaccnt gggatggact aaaggagcac agccaanccc tgagtgggag gctgcnggcc   600
attctccaga atcanggaaa ctgaaggatg gcctcantct ctanggaggc ngagacctgg   660
gttggcanca naataaaaga ttttttcaa gaaatgcaaa cagaccgtca ccaccn       716
```

```
        <210> 3318
        <211> 726
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(726)
        <223> n = A,T,C or G

        <400> 3318
caggctactt gttctttttg caggatccca tcgattcgaa ttcggcacga gtgaagaatg   60
gcgtgggttg gttcctttca aatgcacttg agcagcggtc tccaaccaca gggccacaga   120
gctggaggtg agcagcaggc gagtgaaggg aaacttcatc tgtatttcta gcccctccca   180
tcgcttgcat gaccacctga gctccatgtc ctgtcagatc agcagcagca ttagattctc   240
acaggagcac aaactctgtt gtgaagtgtg catgcgaggg atctaggttg tgtactcctt   300
atgagaatct aatgcctgat attctgttac tgtctcccat cacccccagat ggacagtcta   360
gttgcaggaa aacaagctca gagatcccac tgagtctacg ttatagtgag ttgtagaatc   420
atttcattat atattactat gtagtaataa tagaaataaa gtgcacaata tatgtaatgc   480
acttgaatca tcctgaaatt attccctcat tcccagtctg tggaaaaatt gtcttccaca   540
cattcactct gttttttggt agaggcaggg tcttaatata ttgcccagtc tgatctcaaa   600
ctcctggcct caagtaatat acctctctta gcctnccaaa agtgctgaga ttacaggcat   660
aagcccccc ctcaaccaag actttnttna accaaataaa aattaagtga gattactttg   720
gcccag                                                               726
```

```
        <210> 3319
        <211> 841
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(841)
        <223> n = A,T,C or G

        <400> 3319
tacangctac ttgttctttt tgcaggatcc catcgattcg aattcggcac gaggtccctt   60
gctcggggcc atggagacac tgcggccagt acggcggcgc ctctgtctga agaagggga   120
gtgacctccg gcctcr ggc tctggccgtg gaggataccg gagcccctct gcctcggccg   180
gtaaggccga ggacgagggg gaaggaggcc gagaggagac cgagcgtgag gggtccgggg   240
gcgaggaggc gcaggagaa gtccccagcg ctgggggaga agagcctgcc gaggaggact   300
ccgaggactg gtgcgtgccc tgcagcgacg aggaggtgga gctgcctgcg gatgggcagc   360
cctggatgcc cccgccctcc gaaatccagc ggctctatga actgctggct tgcccacggt   420
actctggagc tgcaagcccg agatccttgc cccgcccggc cttccacgcc ggaggcccan   480
```

```
aaccgaaaag gaaaagatcc cgatgaagga gcccggaggc ccaaaanaan aaggaaagag    540
ggaaaaaacc cacacattgc cccacnggaa tttggaattt ttgattgaat gagcccaant    600
ggaccaccca aanggacttn cccttgattg gaacccggga gaaccccanc ccccaaggga    660
aagcnttnaa nccccggga agccccagaa aaaccngggn angggccccc ccccttgggn    720
acnaaagggt ggcctttttc cgggnccctt tgaaaggagg gaccccccan nnaaagncnt    780
tgggangga aaccaaaaaa tcccctttnn gtaancccg gggaangggg nanccccttnt    840
t                                                                   841
```

```
        <210> 3320
        <211> 741
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(741)
        <223> n = A,T,C or G

        <400> 3320
gnnnnnttnn nnnnnnnttn tntananaca ggctacttgt tctttttgca ggatcccatc     60
gattcgcaga aattcaaata attcttttct gcttcaatgc cagcagaagg tccccccaggt   120
agacatggag aagcactttg ttttaaatag gagggtttca tagttgcatc tgaagccacc   180
tggttctgtt aaactgtatc gtgcaggttt tgggtttggc attattcatg tttctgatca   240
attctatgca actctcatag ttcctgttac tttttagcat tagctgccaa atgacttcaa   300
aaggctgggg tgggtgactt gactgtgaga ctggattata acatggacaa atcttatttt   360
gcttaatgtg tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtatgta   420
tatatatata tataaatatc tttcccaata tgccccgttg acagtgttta aattccanac   480
taggactgct gatctgcaca atttaattat gtggntattc gagcacttaa tttcactcaa   540
ggntcattgg gctctgctct tctccctgcc attacnggag ctgtggacag agctncctcc   600
ttcaanantc tagtggtttt gcncaacagg ntgnccaatg anaaaactga nttgcgtgnc   660
tgtaaatgtt gcncagggng cacatctnnn agggntcnat nctccggcct gtcctccaaa   720
agggctgggc cttgggcccn n                                             741
```

```
        <210> 3321
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3321
ggnnnntttt nnnnntactg ananccttn gctacttgtt cttttt gcag gatcccatcg     60
attcgaattc ggcacgagag gcgatatccc tgagctgaga gcatnaccct gtccccgaat   120
ccttctttcc tctctgtttt gtttttcatt cccctccctc tctccctcc ccctccagtc    180
cacgacgact gggctgttga ccctgttcag gcctcggtga aggcttttgg ttactcccct   240
tcccacccca tcccttaatt ttattctttt gaagagtgca tttcaagctg ccaaggtgga   300
gagagggatt acagaaagga gaacaccta tttcagaaaa ggtgtaccat acctgagagc   360
accaggaagt cgcatgagag atcacctgat acatgaacgt atgatgttcc atctgcgcat   420
tgatgaatag gcagcattta caaattaact gatgtgttgc tgnatatcat ctctttgatg   480
attgctcctc ttctttgtat cctgncttat aatttcaaca catttgcgat actcaatgtc   540
tattctaaat taaccatgtt ttgtaccaca aactcattgc ccatggatct gttgctgaaa   600
caaggaagtc ttaaacaaga agtggaatct ttctgttatc agattgggtc tgaatcaaat   660
gatcagaagg gtgggaatat tacaaantga agaataacag ntgcaacctt cagtttctna   720
```

```
aaaataanaa gngagctttt cagggcaaat t                                751
```

```
            <210> 3322
            <211> 705
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(705)
            <223> n = A,T,C or G

            <400> 3322
nctaatgctg ggcncttgtt cttttngcag gatcccatcg attcgaattc ggcacgaggt    60
ctagtataat cttgatgctc aaaccagata aggacaatac aagaaaggaa gagtataggc   120
taattctacc caataactaa atgaagtatt agcaaaccag attcatcaat aatcttttaa   180
aaatcaagaa ttaattggat ttaggaatat aacactgtgt ataacaagtt taagagaaat   240
atatgagaat gataagactg caattgaaag tagaggcttt ctctggaggg aaaggtgagg   300
aggatgtgat ttggaagaac agcatgggga ggcatcagtt gtattgtaat gtttattttt   360
taagctgaat gataggtacg tagatgttca ttgtgttctt tttgcctttt tgtatatctt   420
aaatatatgg tagtgccatg attagcaggc ttaatagcct tgtgagttta aatgtcactt   480
tcaaatgctg tattttтggt ggagttgctt aaacacattc cccttggaat ctatacaacc   540
agttaaaaaa atcatgtata aaccaccatg aaatataatg aaatgtactg tatatgcatt   600
ttcatgaatg ttgtgtcaaa gggcttgtag gaaaaaaga tcgttaactc ttttgcattc   660
agtgaaaata ggtggctttg gaaatagttt cagccttgct aacac                  705
```

```
            <210> 3323
            <211> 761
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(761)
            <223> n = A,T,C or G

            <400> 3323
gnnnntttnn nnnnntttnt aaananacag gctacttgtt cttttttgcag gatcccatcg    60
attcgaattc ggcacgaggc cacacgggcc gcatcatccc tgcaatctgg ttccgctacg   120
acctcagccc catcacggtc aagtacacag agagacggca gcccgcttgt acagattcat   180
caccacgatc tgtgccatca ttgggcggga ccttcaccgt cgccggcatc ctggactcat   240
gcatcttcac agcctctgag gcctggaaga agatccagct gggcaagatg cattgacgcc   300
acacccagcc taatggccga ggaccctggg catcgccagc cttgcctcca gtgccctgtc   360
tcctttggcc ctcaatctgg tcccaaatct ggctgtgtcc caaagggtgt gtgggaagtg   420
gggggaaagt agaggatggc tcgatgtttt gcagctacct cttttccccg tgtttctttt   480
tagacaaatt acactgcctg aagttgcagt tcccctttcc tggggagccc caagaacaga   540
gtcaggcaag gggtggggag tncagggatc ttggggaccc ctnctaggag agctgcagtc   600
tcttnccтta ggggaacatn ccanaatgca tatngatcag ctntnagcca ggctttngac   660
aattttccag cccccaacta ggtgggacac attaatgaat ttgggttttt cccttgggca   720
agccaacctg ncccaaangc accaaaactg gggcttttan n                       761
```

```
            <210> 3324
            <211> 712
            <212> DNA
            <213> Homo sapiens
```

```
            <220>
            <221> misc_feature
            <222> (1)...(712)
            <223> n = A,T,C or G

            <400> 3324
gtnctaatng ngngctcncg gcnngtccgc aacagcccng cggntcgaat tcggcacgag      60
gcctttgtg gggtctcata cataactcag tttccacaaa gctgtgcccc agctcagccc     120
tatggataga agcatggtct ggggttcctt tgctgaccag ggtgtgtgct ttgtccaagt     180
tactgacctt cccaaacctc atcaatgcac ataaaaagag cacttgcaaa caatgaatct     240
agacatggac cttcacaaag aaataactca aaatggatcc caggcctaaa tgaaaaatga     300
aaaactataa aactcctaga agataacata aaagaagatc tagatgacct agggtttggc     360
aatgactttt tagatccagc accaaaggca ggatccagga aagaaataat tgataagctg     420
gacttcatta aaacgaaaac ttctgctctg tgaaagatgc tgccaaaaaa tgaaaagaca     480
agccacagac tgggagaaaa tatttttgat ggaaatatct gagaagagag cttgttatc     540
caaaatatac aaagaatttc taaaactcaa taatttgaaa ataaacaacc caatttaaaa     600
agtgggccaa agatcttaaa tgacgcctca ccaaagaaga tacacagatg gcaaataagc     660
atatgaaaag atgctcccgg ctgggcacgg tggctcacgc ccgtaatccc gc            712


            <210> 3325
            <211> 1249
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(1249)
            <223> n = A,T,C or G

            <400> 3325
angctacttt gttctttttg caggnnnttt ttnnnnatac agctcttgtt cttttttgcag      60
gatcccatcg attcgaattc ggcacgagaa aacacacaca cacacaacac aatgttttca     120
cgcctgtaaa cctagcacat tgggaagcca aggtggggag ggattgcttt gaggccaggg     180
aagttcaagg gctgcaagtg gagcttatga attggcncac ctggtacctc ttagccctgg     240
gggaggaaca agaagtggag gaacacctgg tcttcttnaa aaaaaaaaa aaaaaaaagg     300
ttttttttttg gaaacccctt ttaaaaaaat taacctttt tggttttttg ggaaaatttt     360
tcctttaaaa ttccaattcc aantttcca aaaaaaaagg naaggcccaa ggtttaaaaa     420
aaaaaaaaat nggggtttt aaaccttttn gggtttttncc ttttngggtt aacccaaaag     480
ggcccttttan ccttttaaaaa ttttttaaggg aaacctttaa tttaaggttt aagggggggaa     540
attaantttt tttttnaaaa aaaggnaagg cccttgggna aaanttccaa ccctttttttt     600
ttngggggtt aantttttt tngggggttn anttaaaaaa aattaatttt ttttnccaa     660
tttttttgggg ttttaaatng gttcccccccc caaggntaaa ttaaattttc cctttttaaac     720
cttgggggna aaaaaaaatt ttccnttttg ggtttttttt gggaaattcc ttgggcccccc     780
ttggnaaaag naaaaaaaaa ttaanttcct tggggttttt ttnccttaan ttanttaaaa     840
aaaaaaaaaa aatttttttt tttttaaaaa aaaattaaaa atttnggtta aaaaagggtt     900
ttaagggaat tttttaaaaa aaaattttgg ttaaaaaaaa attatttaaa aaaaattcca     960
accaaaaagg gggaaaattg gttancccct tttaatggga aaatgggttt gggtttggga    1020
cccantttt ttaattggaa aaaatttaat tggtnggggga tttccaatta tttacctggg    1080
tttanccaaa ggaataagga aaatttggaa atgggccaaa aaaggaccca aaaaccctca    1140
attaaaaatt tgagggaaaa cgtggttatt atgtaattga aataaaaaca ttttataatt    1200
gtaaaaaaaa aaaaaaaaaa actcgagcct ttaaactata ggggtcgtn                1249


            <210> 3326
            <211> 760
            <212> DNA
            <213> Homo sapiens
```

935

```
        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G

        <400> 3326
ttaaanannt ngctcttgtt cttttttgcag gacctttcna aanacagctc ttgttntttt    60
gcggatccct cgattcgttt ctatacaatt tttccttctg atccagagac acggaaaaac   120
aaagggcaag atggaaataa gggatgagaa ggtctatgtg gaaaaacagt tacaactggg   180
agtgggtaac tgcaaaacca agcagcttca tgtgatcgtt aggacagaag aaatttctcc   240
tttgtagcct agagcaatat tctcaaaatt taatgcgcat gttaatcatt tggggatctt   300
ttattcattt tttcatgtgg ggatctttta aaaatgcaaa ttctgatttg gtaagtctgg   360
agtaggtcct gagcttctgc atgcttcaaa agctgattat gttttgagaa catggatcta   420
gatgctggta ttgaggtggg agacaagtac tgccacctga aacaacagtc ttggtaaatt   480
tagcccgacg agggtaaaca catcctaaca gggaaggtaa actgtcgtcc atcagtacca   540
ctagagggca tcactggttt atagttcaat acagtgaata tatcagaata atggccttta   600
gttttcctga aagattaaat taggcttgct aacttgttta atgagataat caaacatatg   660
atgtaatttt aaagggttta cattttttaaa aattaatagg gtatcagtta ctaattttac   720
ttaaatggna ctctgtaagc ttaataggta tgcttaaata               760


        <210> 3327
        <211> 760
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G

        <400> 3327
ttaaanannt ngctcttgtt cttttttgcag gacctttcna aanacagctc ttgttntttt    60
gcggatccct cgattcgttt ctatacaatt tttccttctg atccagagac acggaaaaac   120
aaagggcaag atggaaataa gggatgagaa ggtctatgtg gaaaaacagt tacaactggg   180
agtgggtaac tgcaaaacca agcagcttca tgtgatcgtt aggacagaag aaatttctcc   240
tttgtagcct agagcaatat tctcaaaatt taatgcgcat gttaatcatt tggggatctt   300
ttattcattt tttcatgtgg ggatctttta aaaatgcaaa ttctgatttg gtaagtctgg   360
agtaggtcct gagcttctgc atgcttcaaa agctgattat gttttgagaa catggatcta   420
gatgctggta ttgaggtggg agacaagtac tgccacctga aacaacagtc ttggtaaatt   480
tagcccgacg agggtaaaca catcctaaca gggaaggtaa actgtcgtcc atcagtacca   540
ctagagggca tcactggttt atagttcaat acagtgaata tatcagaata atggccttta   600
gttttcctga aagattaaat taggcttgct aacttgttta atgagataat caaacatatg   660
atgtaatttt aaagggttta cattttttaaa aattaatagg gtatcagtta ctaattttac   720
ttaaatggna ctctgtaagc ttaataggta tgcttaaata               760


        <210> 3328
        <211> 752
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3328
```

936

```
agctcttgtt cttttttgcag gatcctttca anatacagct cttgttcttt ttgcagggtc    60
ccatcgattc gtttctatac aattttttcct tctgatccag agacacggaa aaacaaaggg    120
caagatggaa ataagggatg agaaggtcta tgtggaaaaa cagttacaac tggagtgggt    180
aactgcaaaa accaagcagc ttcatgtgat cgttaggaca gaagaaattt ctcctttgta    240
gcctagagca atattctcaa aatttaatgc gcatgttaat catttgggga tctttttattc    300
attttttcat gtggggatct tttaaaaatg caaattctga tttggtaagt ctggagtagg    360
tcctgagctt ctgcatgctt caaaagctga ttatgttttg agaacatgga tctagatgct    420
ggtattgagg tgggagacaa gtactgccac ctgaaacaac agtcttggta aatttagccc    480
gacgagggta aacacatcct aacagggaag gtaaactgta cgtccatcag taccactaga    540
gggcatcact ggtttatagt tcaatacagt gaatatatca gaataatggc ctttagtttt    600
cctgaaagat taaattaggc ttgctaactt gtttaatgag ataatcaaac atatgatgta    660
attttaaagg gtttacattt ttaaaaattt aatagggtat cagttactaa ttttacttan    720
atggactctg taagcttata ggttgcttaa an                                  752
```

```
        <210> 3329
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3329
```

```
        <210> 3330
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 3330
```

```
ttggnnnnnn nnnnnntttt annntncagc tnnngnnagc tcttgttctt tttgcaggat    60
cccatcgatt cgaattcggc acgaggttgg ccggagatgt ctttttattt ttgtgctgta    120
aaattctctt acagcaaaaa taggctttag aaaggtcttc tactgtcttc agcaaccatc    180
tcatcttcca gcttcacctg attgtccagt tatcatacat ttgactttca aatgtatgaa    240
ccagcatgta ccccatggat ttaatcttat ctaccccgtg gattcaatct tcttatcaga    300
aggttctttt atgtcaaaaa acctgctgtc aaggcttgaa gagccggcac actcaatggc    360
```

```
aaacacagca cccgagtctg ctctgaatcc tggaggatct ggccctcctc tcaaccccca    420
ctcacagtca ccgtcttaca actcagggcc acctgggatc agtcatcagt cagggtgcgt    480
aagccttgaa taccaggtag cctcaggagt gaaaagataa atgtcctaga tcattacctt    540
attcagtgtc cccaccttgc agcgcattcc aaccacctgg gagcatttaa aactccagat    600
gcccacacca caccctgggg cccccatcag accttntgga agcaagacct gggcctncat    660
ggncccnaaa actcctaggg gatccgatgt gcagccnaat cttgaaangg cccatttaaa    720
aaanaaagaa catgggtggt acattgggga gtnttta                            757
```

```
        <210> 3331
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 3331
gnnnnttnnn nnnnntttnt nnanatacag gctacttgtt cttttttgcag gatcccatcg    60
attcgtctcc ttgcctttct cctgaaaggt atgagactac ttgccttact gtcatattat   120
tgaggggaat cagccgcaaa gcctgnggaa aatgaacagt agctgtgggg tcaaagccat   180
gtctccaggt tcacgggctc actcccccca ggacaagcct agttaggtag tgggctgcat   240
ctgggtatcc ctgggacaga aatgcaggtg agaaggggta tcaagaatgc ctcgagcctc   300
tagaactata gtgagtcgta ttacgtagat ccagacatga taagatacat tgatgagttt   360
ggacaaacca caactagaat gcagtgaaaa aaatgcttta tttgtgaaat ttgtgatgct   420
attgctttat ttgtaaccat tataagctgc aataaacaag ttaacaacaa caattgcatt   480
cattttatgt ttcaggttca ggggggaggtg tgggaggttt tttaattcgc ggccgcggcg   540
ccaatgcatt gggcccggta cccagctttt gttcccttta gtgagggtta attgcgccct   600
tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac   660
acaacatacc agccgggagc ataaagtgta aagcctgggg tgcctaatga gtgagctact   720
cacattaatt gcgttgcctc actgcccttt ccaan                              755
```

```
        <210> 3332
        <211> 705
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(705)
        <223> n = A,T,C or G

        <400> 3332
caatgctggt tctngttctt tttgcaggat cccatcgatt cgaattcggc acgagggatg    60
acccatgcca aaaatactat gagctcttac tagtcaaccc tatttggttg gtcccaccaa   120
caaaggcact tgcagttaca ttcaccacat ttgtaacgga gccattgaag catattggaa   180
aaggaactgg ggaatttatt aaagcactca tgaaggaaat tccagcgctg cttcatcttc   240
cagtgctgat aattatggca ttagccatcc tgagtttctg ctatggtgct ggaaaatcag   300
ttcatgtgct gagacatata ggcggtcctg agagcgaacc tccccaggca cttcggccac   360
gggatagaag acggcaggag gaaatcgatt atagacctga tggtggagca ggtgatgccg   420
atttccatta tagggggccaa atgggcccca ctgagcaagg cccttatgcc aaaacgtatg   480
agggtagaag agagattttg agagagagag atgttgactt gagatttcag actggcaaca   540
agagccctga agtgctccgg gcatttgatg taccagacgc agaggcacac cgaaagaaag   600
cagtactgaa agcagccagt cggccaagcc tgtctctggc caagacacat cagggaatac   660
agaaggttca cccgcagcgg aaaaggccca gctcaagtct gaagc                   705
```

```
<210> 3333
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = A,T,C or G

<400> 3333
tgctggncta aatgctggnn atcgntcttt ccgcantaga acnnncgatt cgaattcggc      60
acgaggctac ctgggcggcg acgggctgga cgtggacgtg cccacgcgtc tggagggctg     120
gttcttctgc acgcccgccc gcaagctgct ctggctggtg ctgcagccct tcttctactc     180
actacggccg ctctgcgtcc accccaaggc cgtgacccgc atggaggtgc tcaacacgct     240
ggtgcagctg gcggccgacc tggccatctt tgccctttgg gggctcaagc ccgtggtcta     300
cctgctggcc agctccttcc tgggcctggg cctgcacccc atctcgggcc acttcgtggc     360
cgagcactac atgttcctca agggccacga gacctactcc tactatgggc ctctcaactg     420
gatcaccttc aatgtgggct accacgtgga gcaccacgac ttccccagca tcccgggcta     480
caacctgccg ctggtgcgga agatcgcgcc cgagtactac gaccacctgc cgcagcacca     540
ctcctgggtg aaggtgctct gggattttgt gtttgaggac tccctggggc cctatgccag     600
ggtgaagcgg gtgtacaggc tggcaaaaga tggtctgtga gcccaggctg cctcctggtg     660
gtggccattg tcccccatcg gcccctcacc ttgcacccca ncn                      703
```

```
<210> 3334
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(696)
<223> n = A,T,C or G

<400> 3334
tgctgggctc tngttctttt ngcaggancc catcgattcg aattcggcac gagaaggacc      60
tgcagcttca gcatcacttg agaagttgtt aggaatgcat actagtgggc cccgccccca     120
gacatagtga atcagaaacc aacagggagg cgcctagcat tgtttttta acaagtgctg      180
ggttattctg atgcacagtc tagtttaaga accactactt tgggtaaacg ttttgactgt     240
ttaaagttta tggcggtgaa gtgggcatct tcaaagacta gtacttacac agtttagaag     300
atttcaaggt actgctgaca gtagtttatt atgtcagtat acatacgtgt agagatcata     360
atttagttcc cttcttaatg ttacaatttc ttagtttact tttcctaaag ggccatagca     420
taattcttga ttcctggtgg aaatcttttc tgaggtgtgg gggtgggcaa ggtgtggatt     480
gctgtttacg atagtgcctt cattagtttt agttctgtct gttttcattc attattgact     540
caaaggtatt agaacaggcc cttatctttt tcctattaga tttattttg ttttttactt      600
tatgtaagtt cagaatcctt ttttaagtga tgactactga tgaaataatg ttactagtag     660
ctgaatttta gacttgatgc tatgttgatt aatatn                              696
```

```
<210> 3335
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
```

```
        <223> n = A,T,C or G

        <400> 3335
gtncctaann ngngtgnngg cangctcnta tctctnaana gaattgggct ttgtcgaatt      60
ccgcncggag acantctgan cgtgctngag cagctgatta tcaagcccgg ggtgcgccag     120
atccatctgt ncnacggacn ngcgcggntt gaccgagcat gaggctgcct gaangangac     180
caggggctnt ttgtncacan gngtccaggn cannaccgct gnntnccttg tggtgntgng     240
ctatggngnc cagntnttgc acattgacan acttnactgc actgggtggg agctcgcaca     300
ttngcccatt tgtggtagaa tcaaggcatc acccgataag attgncgtgg tggaaacgtc     360
acagtccgac canttngact gtcaccatgc canntgacag catnnatact ttctngcttn     420
tagatcacta cggggaagat actctctatn gtcaanggga nntatncttc cgaaactgcc     480
tcctnancnn ccnctanncn tntgacngat accgtcanaa nnatatctgn ctgaaggncn     540
natatatcnt ngcatatncn ngannncgnat ggnancgntn tanccctnac cntnatcccn     600
agtgcganct tactatcnca tnntnnaann agtttgnntt cncttctggn anancacacc     660
catggacnac tgcatccnca gatgccttna ttcactgnta nccttggcct gcactnnngn     720
gctttccctc cttanc                                                     736

        <210> 3336
        <211> 706
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(706)
        <223> n = A,T,C or G

        <400> 3336
nnncaatgct ggctgctcgt tctttccgca ggancccanc gattcgaatt cggcacgagg      60
aaatgtgtat ttcagtgaca atttcgtggt ctttttagag gtatattcca aaatttcctt     120
gtatttttag gttatgcaac taataaaaac taccttacat taattaatta cagttttcta     180
cacatggtaa tacaggatat gctactgatt taggaagttt ttaagttcat ggtattctct     240
tgattccaac aaagtttgat tttctcttgt attacatttt ttattttcca aattggatga     300
taatttcttg gaaacatttt ttatgtttta gtaaacagta ttttttgtt gtttcaaact     360
gaagtttact gagagatcca tcaaattgaa caatctgttg taatttaaaa ttttggccac     420
ttttttcaga ttttacatca ttcttgctga acttcaactt gaaattgttt ttttttttct     480
ttttggatgt gaaggtgaac attcctgatt tttgtctgat gtgaaaaagc cttggtattt     540
tacattttga aaattcaaag aagcttaata taaagtttg cattctactc aggaaaaagc     600
atcttcttgt atatgtctta aatgtatttt tgtcctcata tacagaaagt tcttaattga     660
ttttacagtc tgtaatgctt gatgttttaa aataataaca ttttng                   706

        <210> 3337
        <211> 703
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(703)
        <223> n = A,T,C or G

        <400> 3337
caatggctgg tngctngttc tttttgcagg atcccatcga ttcgtgtgga gaaccttctt      60
tttctatggg aaatcacttc tggagttggc aagaatggag aatggtgtgt tgggaaacgc     120
cttggaaggt gtgcatgtgg aacatcattc tcaccaccag tctcttctct gtgcctttct     180
tcctgacgtg gagtgtggtg aactcagtgc attgggccaa tggttcgaca caggctctgc     240
```

```
cagccacaac catcctgctg cttctgacgg tttggctgct ggtgggcttt cccctcactg    300
tcattggagg catctttggg aagaacaacg ccagcccctt tgatgcaccc tgtcgcacca    360
agaacatcgc ccgggagatt ccaccccagc cctggtacaa gtctactgtc atccacatga    420
ctgttggagg cttcctgcct ttcagtgcca tctctgtgga gctgtactac atctttgcca    480
cagtatgggg tcgggagcag tacactttgt acggcatcct cttctttgtc ttcgccatcc    540
tgctgagtgt gggggcttgc atctccattg cactcaccta cttccagttg tctggggagg    600
attaccgctg gtggtggcga tctgtgctga gtgttggctc caccggcctc ttcatcttcc    660
tctactcagt tttctattat gcccggcgct ccaacatgtc tgg                      703
```

        <210> 3338
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
        <223> n = A,T,C or G

        <400> 3338
```
ctaatgctgg cngcttgttc tttttgcagg atcccatcga ttcggaatga gagctgctat     60
ttgtgtttaa aaagaccata cagggccagc cacagtggct cacacctgta atcccagcac    120
tttgggaggt cnatgtgttt ncacnnctnt tnntnagnan nantntgtca tggaggctta    180
ntttgtggng tntgatgnca tactgntagg ccaacatgtg tccnaggnan agnggnangn    240
tnangccatt agcntggtgn aaacttgccg gatgttgatg ctctantaag anccgnatgt    300
gccatttntg aactntttag tantgangga gtcntggtgn tcaanatgga tntacanatg    360
cctanttacc cgnncntgnc taacnagant ntgcccaacc ttcatgtcat gaaggnnntn    420
nantcttta ttcccanngt tncctnaaac gaacantttg cctgnacaca ttttctactg    480
gnaccttacn aatnaggtta tcccgnatnt tcntgattac ttttcttctg cnncnngana    540
tngtgcctnt caccctactc ctntatccnt ccattnacct nttaggccat ncncctaaac    600
gnnntgcann tntnancntc cctnntnang aatttttctaa atangnntta attctctnnc    660
ctnacnttnc tcttcnnttc cnngnatttn nnttnnnntt cnctnttngn tntcnccnct    720
anttcaancn nctcttaant ttngcnnntc ctcnnttcnn t                       761
```

        <210> 3339
        <211> 706
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(706)
        <223> n = A,T,C or G

        <400> 3339
```
nctaatgctg ggctatcgtt ctttccgcag nancccntcg attcgagtgg ctgagtggag     60
gcgcccagac ctgggcaggc agcaggctca ggcccacacc ttgtgatttt tgaaaccaaa    120
gcccagaaga tgatgtttac ttctctctcc ctggctctgc ccttcttact gcaaaccatg    180
ctgtgcctta gggcccttct catagctgtt cctcatggcc atgactggaa cagggatgca    240
acctctttct acacaagcac agttagttgg gtgaagtctt tnttttgttt gttttagacg    300
gagtttcact cttgttgccc aggctggagt gaagtggcgt gaccttggct cactgcaacc    360
tccaggccag cctcagcctc cctagtagct gggactacag gcaccacta ccacgcctgg     420
ctaattcttt gtatttttag tagagatggg gtttgaccgt gttagccagg atggtctcga    480
tctcctgacc tcgtgatcca cccacctcgg cctcccaaag tgctgggatt ataggtgtga    540
gccaccgcgc cgggccggtt gctggcatct taatgttctg taggtggaat atttccaata    600
aacacaaggt gccgtaattg aaaaaaaana aaaaaaaac ttcgagcctc tagaactata    660
```

941

gtgagtcgta ttacgtagat ccagacatga taagatacat tgatga 706

```
<210> 3340
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(706)
<223> n = A,T,C or G

<400> 3340
ctaatgctgg tngctngttc tttccgcagg atcccatcga ttcgaattcg gcacgaggcg      60
acatcagaag atcattgagg aggccccagc gcctggtatt aaatctgaag taagaaaaaa     120
gctgggagaa gctgcagtca gagctgctaa agctgtaaat tatgttggag cagggactgt     180
ggagtttatt atggactcaa aacataattt ctgtttcatg gagatgaata caaggctgca     240
agtggaacat cctgttactg agatgatcac aggaactgac ttggtggagt ggcagcttag     300
aattgcagca ggagagaaga ttcctttgag ccaggaagaa ataactctgc agggccatgc     360
cttcgaagct agaatatatg cagaagatcc tagcaataac ttcatgcctg tggcaggccc     420
attagtgcac ctctctactc ctcgagcaga cccttccacc aggattgaaa ctggagtacg     480
gcaaggagac gaagtttccg tgcattatga ccccatgatt gcgaagctgg tcgtgtgggc     540
agcagatcgc caggcggcat tgacaaaact gaggtacagc cttcgtcagt acaatattgt     600
tggactgccc accaacattg acttcttact caacctgtct ggccacccag agtttgaagc     660
tgggaacgtg cacactgatt tcatccctca acaccacaaa cagttg                    706

<210> 3341
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(709)
<223> n = A,T,C or G

<400> 3341
nnctaatgct gggctgctng nnctttntcg caggatccca tcgattcgaa ttcggcacga      60
ggtacgagag tctgttgaac aacaggctga tagtttcaaa gcaacacgtt ttaaccttga     120
aactgaatgg aagaataact atcctcgcct gcgggaactt gaccggaatg aactatttga     180
aaaagctaaa aatgaaatcc ttgatgaagt tatcagtctg agccaggtta caccaaaaca     240
ttgggaggaa atccttcaac aatctttgtg ggaaagagta tcaactcatg tgattgaaaa     300
catctacctt ccagctgcgc agaccatgaa ttcaggaact tttaacacca cagtggatat     360
caagcttaaa cagtggactg ataaacaact tcctaataaa gcagtagagg ttgcttggga     420
gaccctacaa gaagaatttt cccgctttat gacagaaccg aaagggaaag agcatgatga     480
catatttgat aaacttaaag aggccgttaa ggaagaaagt attaaacgac acaagtggaa     540
tgactttgcg gaggacagct tgagggttat tcaacacaat gctttggaag accgatccat     600
atctgataaa cagcaatggg atgcagctat ttattttatg gaagaggctc tgcaggctcg     660
tctcaaggat actgaaaatg caattgaaaa catggtgggt ccagactgc                 709

<210> 3342
<211> 715
<212> DNA
<213> Homo sapiens

<220>
```

942

```
<221> misc_feature
<222> (1)...(715)
<223> n = A,T,C or G

<400> 3342
gtcctanagt gtggtctcgn cnnnccgnan gagntnggcg ggngcgaatt cggcacgagc    60
agaacttcac agcagcctgt cctcatcagc aacccaacca ccttcatcag caacccaacc   120
accttcatca gcaacccaac cacctcgtca gcaacccaac cacctcgtca gcaacccagc   180
caccttcatc agcaacccaa ccacctcatc agcaacccag ccaccttcat cagcaaccca   240
accacctcat cagcaaacca accactttca tctgcaaccc aaccactttc atcagcaact   300
caacaccttc atctgcaacc caaccacctt catcagcaaa ccaaccacct tcttcagcaa   360
cccaaccacc tcatcttgga gaaggagaag gaactgcaag ccaccaagtc ttcatttttc   420
agggtttgta atcttcccaa agttttcctt tgaaaatagg ataatgggtg gaattttcag   480
agtgattaca tacctcaaca tttttattaa catacaacaa tgggaaagtt catcatccat   540
atactgcagt cacttaaaca acagccaatt attgcaagat tagaattgga gatcttgtcc   600
tcaaaagtat aaatngtcct ttgagttata gaaaataatg gaattgggat ttctacatat   660
cattattata cctattttaa atttaatggg cagccaggca tggttccagc tacnt         715
```

```
<210> 3343
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 3343
ctaatgctgg ctngctcgtt ctntccgcag tanccctcga gtcgaattcg gcacgagact    60
gcctccttcc acacgagtgc ccctttggcc aaagaagatt attatcagat attaggagtg   120
cctcgaaatg ccagccagaa agagatcaag aaagcctatt atcagctgct ctgctcagtt   180
agttttatt cccggggtac caagcagctg cacagtcggt gcctgggagg cacgtagagg   240
cccctggctc aggcagaggg agatggttag actcttgcag ggctaaaact ctaatttgga   300
attgaatatt gtggatatct tagttaaagg ccatgcttac agcttagaaa tgaagcctta   360
agctgcatca tcatatcgcc ctgtgtggtc tgcaggggag caggacaagc caagcagaaa   420
aagcgagtga tgatccctgt gcctgcagga gtcgaggatg gccagaccgt gaggatgcct   480
gtgggaaaaa gggaaatttt cattacgttc agggtgcaga aaagccctgt gttccggagg   540
gacggcgcag acatccactc cgacctcttt atttctatag ctcaggctct tcttggggga   600
acagccagag cccagggcct gtacgagacg atcaacgtga cgatcccccc tgggactcag   660
acagaccaga agattcggat gggtgggaaa ggcatccccc ggattaac                 708
```

```
<210> 3344
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 3344
gtnnctaatn ctgggctctc gtnctttctc gcagtanccc ntcgattcga attcggcacg    60
aggagacagc agcccccagg gaatgaagct gatgccagag tcagacccga ggaggaagag   120
gagccactga tggagatgcg gctccgggat gcgcctcagc acttctatgc agcactgctg   180
```

```
cagctgggcc tcaagtacct ctttatcctt ggtattcaga ttctggcctg tgccttggca    240
gcctccatcc ttcgcaggca tctcatggtc tggaaagtgt ttgcccctaa gttcatattt    300
gaggctgtgg gcttcattgt gagcagcgtg ggacttctcc tgggcatagc tttggtgatg    360
agagtggatg gtgctgtgag ctcctggttc aggcagctat ttctggccca gcagaggtag    420
cctagtctgt gattactggc acttggctac agagagtgct ggagaacagt gtagcctggc    480
ctgtacaggt actggatgat ctgcaagaca ggctcagcca tactcttact atcatgcagc    540
caggggccgc tgacatctag gacttcatta ttctataatt caggaccaca gtggagtatg    600
atccctaact cctgatttgg atgcatctga gggacaaggg gggcggtctc cgaagtggaa    660
taaaataggc cgggcgtggt gactttgcac ctataatccc agcactttgg gan    713
```

```
        <210> 3345
        <211> 710
        <212> DNA
        <213> Homo sapiens

        <400> 3345
```

```
ctaatgctgg gctgcttgtt ctttttgcag gatcccatcg attcggaaaa gttaaaaaag    60
acattgagtg atgtaatcca ccctgggggc aatagccata ttgccaatgg tgcggccggg    120
tgtgtggcaa cattacttca tgatgcagcc atgaaccctg cggaagtggt caagcagagg    180
atgcagatgt acaactcacc ataccaccgg gtgacagact gtgtacgggc agtgtggcaa    240
aatgaagggg ccggggcctt ttaccgcagc tacaccaccc agctgaccat gaacgttcct    300
ttccaagcca ttcacttcat gacctatgaa ttcctgcagg agcactttaa cccccagaga    360
cggtacaacc caagctccca cgtcctctct ggagcttgcg caggagctgt agctgccgca    420
gccacaaccc cactggacgt ttgcaaaaca ctgctcaaca cccaggagtc cttggctttg    480
aactcacaca ttacaggaca tatcacaggc atggctagtg ccttcaggac ggtatatcaa    540
gtaggtgggg tgaccgccta tttccgaggg gtgcaggcca gagtaattta ccagatcccc    600
tccacagcca tcgcatggtc tgtgtatgag ttcttcaaat acctaatcac taaaaggcaa    660
gaagagtgga gggctggcaa gtgaagtagc actgaacgaa gccaggggtt    710
```

```
        <210> 3346
        <211> 712
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(712)
        <223> n = A,T,C or G

        <400> 3346
```

```
gtnctaatng ngngctcncg gcnngtccgc aacagcccng cggntcgaat tcggcacgag    60
gcctttgtg gggtctcata cataactcag tttccacaaa gctgtgcccc agctcagccc    120
tatggataga agcatggtct ggggttcctt tgctgaccag ggtgtgtgct ttgtccaagt    180
tactgacctt cccaaacctc atcaatgcac ataaaaagag cacttgcaaa caatgaatct    240
agacatggac cttcacaaag aaataactca aaatggatcc caggcctaaa tgaaaaatga    300
aaaactataa aactcctaga agataacata aagaagatc tagatgacct agggtttggc    360
aatgactttt tagatccagc accaaaggca ggatccagga agaaataat tgataagctg    420
gacttcatta aaacgaaaac ttctgctctg tgaaagatgc tgccaaaaaa tgaaaagaca    480
agccacagac tgggagaaaa tattttttgat ggaaatatct gagaagagag gcttgttatc    540
caaaatatac aaagaatttc taaaactcaa taatttgaaa ataaacaacc caatttaaaa    600
agtgggccaa agatcttaaa tgacgcctca ccaaagaaga tacacagatg gcaaataagc    660
atatgaaaag atgctcccgg ctgggcacgg tggctcacgc ccgtaatccc gc    712
```

```
        <210> 3347
        <211> 705
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 3347

```
nctaatgctg ggcncttgtt cttttngcag gatcccatcg attcgaattc ggcacgaggt    60
ctagtataat cttgatgctc aaaccagata aggacaatac aagaaaggaa gagtataggc   120
taattctacc caataactaa atgaagtatt agcaaaccag attcatcaat aatcttttaa   180
aaatcaagaa ttaattggat ttaggaatat aacactgtgt ataacaagtt taagagaaat   240
atatgagaat gataagactg caattgaaag tagaggcttt ctctggaggg aaaggtgagg   300
aggatgtgat ttggaagaac agcatgggga ggcatcagtt gtattgtaat gtttattttt   360
taagctgaat gataggtacg tagatgttca ttgtgttctt tttgcctttt tgtatatctt   420
aaatatatgg tagtgccatg attagcaggc ttaatagcct tgtgagttta aatgtcactt   480
tcaaatgctg tattttggt ggagttgctt aaacacattc cccttggaat ctatacaacc    540
agttaaaaaa atcatgtata aaccaccatg aaatataatg aaatgtactg tatatgcatt   600
ttcatgaatg ttgtgtcaaa gggcttgtag gaaaaaaga tcgttaactc ttttgcattc   660
agtgaaaata ggtggctttg gaaatagttt cagccttgct aacac                   705
```

<210> 3348
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 3348

```
ctaatgctgg cngcttgttc tttttgcagg atcccatcga ttcggaatga gagctgctat    60
ttgtgtttaa aaagaccata cagggccagc cacagtggct cacacctgta atcccagcac   120
tttgggaggt cnatgtgttt ncacnnctnt tnntnagnan nantntgtca tggaggctta   180
ntttgtggng tntgatgnca tactgntagg ccaacatgtg tccnaggnan agnggnangn   240
tnangccatt agcntggtgn aaacttgccg gatgttgatg ctctantaag anccgnatgt   300
gccatttntg aactntttag tantgangga gtcntggtgn tcaanatgga tntacanatg   360
cctanttacc cgnncntgnc taacnagant ntgcccaacc ttcatgtcat gaaggnnntn   420
nantctttta ttcccanngt tncctnaaac gaacantttg cctgnacaca ttttctactg   480
gnaccttacn aatnaggtta tcccgnatnt tcntgattac ttttcttctg cnncnngana   540
tngtgcctnt caccctactc ctntatccnt ccattnacct nttaggccat ncncctaaac   600
gnnntgcann tntnancntc cctnntnang aattttctaa atangnntta attctctnnc   660
ctnacnttnc tcttcnnttc cnngnatttn nnttnnnntt cnctnttngn tntcnccnct   720
anttcaancn nctcttaant ttngcnnntc ctcnnttcnn t                       761
```

<210> 3349
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 3349

```
atacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggactgttc      60
atcctaagtt ccactataaa caggctcatg actcgggcac agacacttct tgcgtgactt     120
tttcctatga tggtaatgtc cttgcctctc gtggaggtga cgattcatta aaattatggg     180
acatccgaca atttaataaa ccactttttt cagcctcggg tcttnccacc atgttcccaa     240
tgactgactg ctgtttcagt ccagatgata agctcattca ctggtacatc tattcaaaga     300
ggatgtggca gcggcaaact tgttttcttt gagcgtagga ctttccaaag ggtgtatgaa     360
atagacatca cagatgcgag tgttgntcgc tgcctgtggc atccaaagct gaaccanatc     420
atggttggaa ctggaaatgg attggctaaa gtctattacg accccacaag agtcagaggg     480
gagcaaaatt atgtgtggtt aaaacccagc ggaaggcaaa acaagctgag actctaactc     540
aggactacat catcacccct catgccttgc ctatgttncg ngagccccgc caacggagta     600
caaggnaaca gctggagaan gacagactgg atccctgaa gtcgcataaa cctgaacctn     660
ctgtaccaag gcccaggtcg tggtggccga ntttggaacc cacnggggca ctttttttt      720
ctatattggg aanaacattg ttttggacaa aancgatgac agtaattctt cgggaagcn      779
```

<210> 3350
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 3350

```
atgcggncaa tgctggctac tcgttctttc cgcaggancc cntcgattcg ctcacctgga      60
ataatgagat cttacctaac tgggaaacaa tgtggtgctc tagaaaagtt cgagatttat     120
ggtggcaggg aatccctcca agtgtgagag gcaaagtctg gagcttagcc attggcaacg     180
agttaaatat cacccacgag ctctttgaca tctgtcttgc ccgagccaag gagaggtggc     240
ggtcccttag cacaggaggc tctgaagtgg agaacgaaga tgctggtttt tcagcagcag     300
acagagaagc cagtctggag cttattaaac tggacatttc tagaacattt cctaatctct     360
gcattttcca gcaaggtggt ccatatcatg acatgttgca cagtattttg ggcgcttata     420
cttgttaccg gccagatgtg ggttatgtcc agggcatgtc cttcatagca gcagtgttga     480
tcttgaactt agatactgca gatgccttta ttgccttttc taaccttctg aataaaccct     540
gtcaaatggc gtttttttaga gtggaccatg gccttatgtt gacttatttt gctgctcctc     600
cagaggtctg cacactccac ttcacatgcc gttgactctc acagtctaag acttcagggc     660
cgggaccttt gtccagcctg cacagtagag tgaggctgcc tctc                      704
```

<210> 3351
<211> 924
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(924)
<223> n = A,T,C or G

<400> 3351

```
annnnggnnn nnnnnnnnnn annagnnnnn nagnngttga ntttgaaacc tttagccctt      60
ttgcagancc caccgnttcn gnagatgatg tggatanact tggatactcc cttgagtgga     120
anatannngt gttcagactg nncaagtnta nctccanaga ctttgaagtc tgctacccag     180
aggagcctct cagggactgg ccggagatct ccctgctgac cgagaacgac cgccactacc     240
acattccagt cntttaannc cgctgggggc cnaacagcag ngctcaccag tgacggtggt     300
cacagttgcn ataaagtngt ctctgaaacc aaagctagca tttcacnatg gaaggaatta     360
```

946

```
ngacctattc ttcaggatta caggtacact ggntgcaagc catgcatgga tggnttttct    420
taatnntnca gtngatttgc tctnaannca nctgcanatg aaaacanttg gcgagtnggg    480
ngncnggact ttgacccata nagggggcgt nggccacttc acatgatggg cggggnctat    540
tgggaccaca aatnaaaggc cngcntggac ancaaacntg ggaaaaaann naagaangaa    600
aaaccacnnt aaagngaaaa nacangcntg accttgggag aggaaaaaaa aaccaagttt    660
taaccggtnn atggttcatt cattnaaaaa aacctnnanc ntcggacttg tattttggag    720
gggatttaan taccnaaana atnggncct tattttnan aataaagcnn anaacctttt      780
accnaaagaa ancccnannt ttgggaatan tggcnatntc taaangggan cccatnnggg    840
attnaacntt gtnaaaaatt aactaanact ttcgggggaa aagttgncna aatngaaggt    900
ggntcanaaa naaaanaaga anng                                           924
```

```
        <210> 3352
        <211> 924
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(924)
        <223> n = A,T,C or G

        <400> 3352
annnnggnnn nnnnnnnnnn annagnnnnn nagnngttga ntttgaaacc tttagccctt    60
ttgcagancc caccgnttcn gnagatgatg tggatanact tggatactcc cttgagtgga    120
anatannngt gttcagactg nncaagtnta nctccanaga ctttgaagtc tgctacccag    180
aggagcctct cagggactgg ccggagatct ccctgctgac cgagaacgac cgccactacc    240
acattccagt cntttaannc cgctgggggc cnaacagcag ngctcaccag tgacggtggt    300
cacagttgcn ataaagtngt ctctgaaacc aaagctagca tttcacnatg gaaggaatta    360
ngacctattc ttcaggatta caggtacact ggntgcaagc catgcatgga tggnttttct    420
taatnntnca gtngatttgc tctnaannca nctgcanatg aaaacanttg gcgagtnggg    480
ngncnggact ttgacccata nagggggcgt nggccacttc acatgatggg cggggnctat    540
tgggaccaca aatnaaaggc cngcntggac ancaaacntg ggaaaaaann naagaangaa    600
aaaccacnnt aaagngaaaa nacangcntg accttgggag aggaaaaaaa aaccaagttt    660
taaccggtnn atggttcatt cattnaaaaa aacctnnanc ntcggacttg tattttggag    720
gggatttaan taccnaaana atnggncct tattttnan aataaagcnn anaacctttt      780
accnaaagaa ancccnannt ttgggaatan tggcnatntc taaangggan cccatnnggg    840
attnaacntt gtnaaaaatt aactaanact ttcgggggaa aagttgncna aatngaaggt    900
ggntcanaaa naaaanaaga anng                                           924
```

```
        <210> 3353
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3353
ttacatcanc tcttgttctt tttgcaggat ccctcgattc gggctagcga tttctacctg    60
cgctactacg tagggcacaa gggcaagttt gggcacgagt ttctggagtt cgaatttcgg    120
ccggacggaa agcttagata tgccaacaac agcaattaca aaaatgatgt gatgatcaga    180
aaagaggctt atgtgcacaa gagtgtaatg gaagaactga agagaattat tgatgacagt    240
gaaattcaa aagaagatga tgctttgtgg cctcccctga tagggttggc cgacaggagc    300
ttgaaattgt aattggagat gagcacatat cttttaccac atcaaaaata ggttctctta    360
```

```
ttgatgtaaa  tcagtcaaag  gatcctgaag  gccttcgagt  attttactat  ttggtacaag      420
acttgaaatg  tttagttttc  agtcttattg  gattacactt  caagattaaa  ccaatttaaa      480
ttgtatgttt  tcaggctgtt  tgtatattta  attaagggat  gggangggtt  atttgtcatt      540
tacagtattg  gggtttttat  gaatgtgaag  caaacaaaaa  aaatttgtat  gtaaactgga      600
aataagaaaa  tacattagca  agccttaatg  ggtatcctta  ctttgagtcc  acatggggtt      660
ggacagtccc  cacacccccat taaattcttg  taaatgaaag  cccccctttt  gttaaaaaat      720
ttgctctaat  aaaaacatac  caaatcctgg  nnnanaaann  nnnnnnnnnn  nnnnnnnnnn      780
nnnct                                                                      785
```

        <210> 3354
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3354

```
ttacatcanc  tcttgttctt  tttgcaggat  ccctcgattc  gggctagcga  tttctacctg       60
cgctactacg  tagggcacaa  gggcaagttt  gggcacgagt  ttctggagtt  cgaatttcgg      120
ccggacggaa  agcttagata  tgccaacaac  agcaattaca  aaaatgatgt  gatgatcaga      180
aaagaggctt  atgtgcacaa  gagtgtaatg  gaagaactga  agagaattat  tgatgacagt      240
gaaattacaa  aagaagatga  tgctttgtgg  cctcccctga  tagggttggc  cgacaggagc      300
ttgaaattgt  aattggagat  gagcacatat  cttttaccac  atcaaaaata  ggttctctta      360
ttgatgtaaa  tcagtcaaag  gatcctgaag  gccttcgagt  attttactat  ttggtacaag      420
acttgaaatg  tttagttttc  agtcttattg  gattacactt  caagattaaa  ccaatttaaa      480
ttgtatgttt  tcaggctgtt  tgtatattta  attaagggat  gggangggtt  atttgtcatt      540
tacagtattg  gggtttttat  gaatgtgaag  caaacaaaaa  aaatttgtat  gtaaactgga      600
aataagaaaa  tacattagca  agccttaatg  ggtatcctta  ctttgagtcc  acatggggtt      660
ggacagtccc  cacacccccat taaattcttg  taaatgaaag  cccccctttt  gttaaaaaat      720
ttgctctaat  aaaaacatac  caaatcctgg  nnnanaaann  nnnnnnnnnn  nnnnnnnnnn      780
nnnct                                                                      785
```

        <210> 3355
        <211> 686
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(686)
        <223> n = A,T,C or G

        <400> 3355

```
tgtgcncgga  aagatnagcc  aaatgctttc  aaagagctng  ggacaggaaa  tagaatngct       60
acngtggctg  atntatatga  gtgatgtgtc  tgcaggagga  gccctgcttt  tgctgaattg      120
gagctagtgt  ttggcccaaa  aaaggaactg  ctgntttggn  ataanctgtn  ngccanngga      180
nancgagatt  atagtacacg  gcntgcagcc  tgtncaggtg  ctagttggca  acaaatgggt      240
atncaataaa  tggctccatg  aacgtggaca  agaatnnnca  agaccttgtt  cttntcagaa      300
ttggaatgac  aaacnggctt  ccctttttct  cctatngntg  gtactcttat  gtgtctgata      360
tacacatttc  ctngtcttaa  cnttnaggga  gttacaattg  actaaacact  tcatgattgg      420
nttcacncca  tgancccctna tcccanggtt  tcatttgtgg  acaattgctt  acttttgngg      480
ggtcttttaa  aaaggnacnc  gaaatcttca  ttattgccgt  aaaaacctta  aagatctgtt      540
ggnantcaca  agaagacaaa  nggccgaaat  tttaaagggg  agggaatttt  tntattttna      600
```

```
aagaaccttt ttnggttgga nnaaaaacat aatttgagcn ttcnncttt  nagaattccc      660
ctaacatctc aggttgggtg gggngg                                           686
```

        <210> 3356
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G

        <400> 3356

```
nnttnnnttt taaagacttn canctctttt tctttntgca ggatcccatc gattcgaatt       60
cggcacgggg ggagcaaata atangccctt gtgtgtgttt ttggcagana agccatgaag      120
acaagcagat gctaataaaa gaatctgcat ctttgnttgt tattccatgt taaagggntg      180
aaataaaggt aanagaatat ttgtactgtt gttatccaaa tccatctcct gttctactct      240
ctattcaaaa taatcgtaca gtgactaaca gagctttcag accaacagta tttttatttt      300
tcattttaag ttcagggtac caacatttct ttccatggat gttgatggac gtgtcatcag      360
agctgactct ttttcaaaaa tcatttcctc tgggttgaga ataggatttt taactggtcc      420
aaaacccta  atagagagag ttattttaca catacaagtt tcaacattgc accccagcac      480
tttaaccag  ctcatgatat cacagcttct acacgaatgg ggagaanaag gtttcatggc      540
tcatgtagac agggttattg atttctatag taacccagaa ggatgcaata ctggcagctg      600
cagacaagtg gntaactggt ttggcagaat ggcatgtcct gctgctggaa tgtttttatg      660
gattaaagtt aaaggcttaa tgatgtaaaa agaactgatt gaagaaaagg ccgttaaaat      720
gggggtatta aagctcctgg aaatgtttct cgtcgatagc tcacttctan cccttacttg      780
agagcttctt                                                             790
```

        <210> 3357
        <211> 686
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(686)
        <223> n = A,T,C or G

        <400> 3357

```
tgtgcncgga aagatnagcc aaatgctttc aaagagctng ggacaggaaa tagaatngct       60
acngtggctg atntatatga gtgatgtgtc tgcaggagga gccctgcttt tgctgaattg      120
gagctagtgt ttggcccaaa aaaggaactg ctgntttggn ataanctgtn ngccanngga      180
nancgagatt atagtacacg gcntgcagcc tgtncaggtg ctagttggca acaaatgggt      240
atncaataaa tggctccatg aacgtggaca agaatnnnca agaccttgtt cttntcagaa      300
ttggaatgac aaacnggctt ccctttttct cctatngntg gtactcttat gtgtctgata      360
tacacatttc ctngtcttaa cnttnaggga gttacaattg actaaacact tcatgattgg      420
nttcacncca tganccctna tcccanggtt tcatttgtgg acaattgctt actttngngg      480
ggtctttaa  aaaggnacnc gaaatcttca ttattgccgt aaaaacctta aagatctgtt      540
ggnantcaca agaagacaaa nggccgaaat tttaaggggg agggaatttt tntattttna      600
aagaaccttt ttnggttgga nnaaaaacat aatttgagcn ttcnncttt  nagaattccc      660
ctaacatctc aggttgggtg gggngg                                           686
```

        <210> 3358
        <211> 705
        <212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(705)
<223> n = A,T,C or G

<400> 3358

```
tatncataca gctcttgttc tttttgcagg atccctcgat tcgaattcgg cacgagaaga    60
gaagctgaga cttctgcttc cacacccct gcaagtgctt tcttgaaggc ctgggtgtat    120
cggccaggag aggacacgga ggaggaggaa gatgaggatg tggatagtga ggataaggaa    180
gatgattcag aagcagcctt gggagaagct gagtcagacc cacatccctc ccacccggac    240
cagagggccc acttcagggg ctggggatat cgacctggaa agagacagag gaagaggaag    300
ctgctgagga ctggggagaa gctgagccct gccccttccg agtggccatc tatgtacctg    360
gagagaagcc accgcctccc tgggctcctc ctagctgccc tccgactgca aaggcggctc    420
aagcgcccag aaacccctac tcatgatccg gaccctgaga ctcccctaaa ggccagaaag    480
gtgcgcttct ccgagaaggt cactgtccat ttcctggctg tctgggcagg gccggccang    540
ccgccgcang gccctgggag cagcttgtcg gatcgcagcc gttccacgcg atacccaagc    600
ccagagactg accctgctac ctntgccggc aagctgcccc tagaccactt accctctgct    660
accaactgct ctcttgctnn ccagcaacac cttngcantg gcnac                  705
```

<210> 3359
<211> 835
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(835)
<223> n = A,T,C or G

<400> 3359

```
tnnnnnnttt atntttnata caanctcttg ttctttttgc aggatcccat cgattcgttt    60
ggattgattc agggagaaat ttgcactgat ggctcagaag cttacgtcat ggagagtatg    120
acctacctca cagcagggat gctggaccaa cctggctttc ccgactgctc catcgaggca    180
gccatggtga aggtgttcag ctccgagccg cctggcagtg tgtgagtgag gcgctgcaga    240
tcctcggggg cttgggctac acaagggact atccgtacga gcgcatactg cgtacacccg    300
catcctcctc atcttcgagg gaaccaatga gattctccgg atgtacatcg ccctgacggg    360
tctgcagcat gccggccgca tcctgactac caggatccat gagcttaaac aggccaaagt    420
gagcacagtc atggataccg ttggccggag gcttcgggac tccctgggcc gaactgtgga    480
cctggggctg acaggcaacc atggagttgt gcaccccagt cttgcggaca gtgccaacaa    540
gtttgaggag aacacctact gcttcggccg gacccgtgga gacacttntt gttccgcttt    600
ggcaagaaca tcatgganga acaacttggt acttgaaagc gggtgggcaa cattcctnat    660
tnaaccttgt attggcatga cnggccgtgc ttgtccgcng gccaanccg cttccattcc    720
gcatttgggc ttncgnaaan ccaccgaacc acganggntt ttntttgggn ccaacaaccn    780
ttntggggtn gggaaacctt aactttgcaa gaaaattttt ttnaancctt ntttt        835
```

<210> 3360
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

```
<400> 3360
tnnnnnnttt aaatccatta gctacttgtt cttttttgcag gatcccatcg attcgtgcgg    60
gagcacccga gcctgcggct ccagacggac gcccgcaagg tgaggtgcat cctgacaggt   120
cacgagctgc cctgccgcct gccggagctc caggtctaca cccgcggcaa aaagtaccag   180
cggctggtcc gcgcctcccc ggccttcgac tatgcagagt tcgagccgca catcgtgccc   240
agcaccaana acccgtangt ggtccncggc ggcgcgggga ggcccagggc aatnngacag   300
nccctccgnt tgactccgcc agtgctgcag nccctactct ttcanagttg ggagccctgg   360
gacccaggca ccaattgttc ttgcaaactc accctgcggc acatcaacaa gtgcccanaa   420
cacgtgctga ngcacaccca aggccggcgg taccagcgag cttttgtgta aatatgaaga   480
atgtctnaag caaggggtgg agtacatgcc tgctgcctgg tgcacccgan gangaagang   540
gaaggacaaa tggacngtga acggccttcg cccgcgggaa agcttctggg agcccacatt   600
caatgatgaa gggggagctg caagtgatga cagcatgaca gacctgtncc cctgactttt   660
caccagaagg accttgaaca cngaggatgg ggatggactg atgatttttg acaacaaaga   720
ggttgaaagg caaanccca aaaaaaaggc cttgtgaagg cagganaaan acaacctntc   780


        <210> 3361
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G

        <400> 3361
tnnnnnnttt aaatccatta gctacttgtt cttttttgcag gatcccatcg attcgtgcgg    60
gagcacccga gcctgcggct ccagacggac gcccgcaagg tgaggtgcat cctgacaggt   120
cacgagctgc cctgccgcct gccggagctc caggtctaca cccgcggcaa aaagtaccag   180
cggctggtcc gcgcctcccc ggccttcgac tatgcagagt tcgagccgca catcgtgccc   240
agcaccaana acccgtangt ggtccncggc ggcgcgggga ggcccagggc aatnngacag   300
nccctccgnt tgactccgcc agtgctgcag nccctactct ttcanagttg ggagccctgg   360
gacccaggca ccaattgttc ttgcaaactc accctgcggc acatcaacaa gtgcccanaa   420
cacgtgctga ngcacaccca aggccggcgg taccagcgag cttttgtgta aatatgaaga   480
atgtctnaag caaggggtgg agtacatgcc tgctgcctgg tgcacccgan gangaagang   540
gaaggacaaa tggacngtga acggccttcg cccgcgggaa agcttctggg agcccacatt   600
caatgatgaa gggggagctg caagtgatga cagcatgaca gacctgtncc cctgactttt   660
caccagaagg accttgaaca cngaggatgg ggatggactg atgatttttg acaacaaaga   720
ggttgaaagg caaanccca aaaaaaaggc cttgtgaagg cagganaaan acaacctntc   780


        <210> 3362
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G

        <400> 3362
tnnnnnnttt aaatccatta gctacttgtt cttttttgcag gatcccatcg attcgtgcgg    60
gagcacccga gcctgcggct ccagacggac gcccgcaagg tgaggtgcat cctgacaggt   120
cacgagctgc cctgccgcct gccggagctc caggtctaca cccgcggcaa aaagtaccag   180
cggctggtcc gcgcctcccc ggccttcgac tatgcagagt tcgagccgca catcgtgccc   240
agcaccaana acccgtangt ggtccncggc ggcgcgggga ggcccagggc aatnngacag   300
```

951

```
nccctccgnt tgactccgcc agtgctgcag nccctactct ttcanagttg ggagccctgg    360
gacccaggca ccaattgttc ttgcaaactc accctgcggc acatcaacaa gtgcccanaa    420
cacgtgctga ngcacaccca aggccggcgg taccagcgag cttttgtgta aatatgaaga    480
atgtctnaag caaggggtgg agtacatgcc tgctgcctgg tgcaccgan gangaagang    540
gaaggacaaa tggacngtga acggccttcg cccgcgggaa agcttctggg agcccacatt    600
caatgatgaa gggggagctg caagtgatga cagcatgaca gacctgtncc cctgactttt    660
caccagaagg accttgaaca cngaggatgg ggatggactg atgattttg acaacaaaga     720
ggttgaaagg caaancccca aaaaaaaggc cttgtgaagg cagganaaan acaacctntc    780
```

        <210> 3363
        <211> 917
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(917)
        <223> n = A,T,C or G

        <400> 3363

```
ttatttcata aactattgtt ctttttgcag gatccatcga ttcgaattcg gcacgagggc     60
tgcgaggttt tcggctttgg ctcctgatat gcagcgacag aattttcggc ccccaactcc    120
tccttaccct ggtccgggtg gaggaggttg gggtagcgga agcagcttcc ggggaacccc    180
gggcgggggc ggaccacggc cgccctcccc tcgagacggg tacgggagtc cgcaccacac    240
gccgccgtac gggccccggt ctaggccgta cgggagcagt cactctccgc gacacggcgg    300
cagcttcccg gggggccggt tcgggtctcc gtccctggc ggctaccctg gctcctactc     360
caggtccccc gcggggtccc agcagcaatt cggctactcc ccaaggcagg annanaanca    420
nccncanggt tntncaagga catntacacc atttggatca nggcgtntta naaaaaaaan    480
aatgttaatg anttggaaaa ntatttnaaa gcctttnaat gnttnnnnna atccttnggg    540
nttggcctta naaanccaan attntngtng gngggntntt aannccnnnc aantncnnnn    600
nnattncntt naaaacnttt nnnccanggn cnnaaaaaaa ngggnaann aaaaaacttt     660
tttnnttnaa nnantttttt tggaaaattt naaancntng gaaaancntt tnnntngttn    720
ntnangggaa annantnttt tgggnncnaa aaaacntttt naannnntnn nggttnnnan    780
nnnttaaaaa ntttnnnccc ccaannnnnt nnanngnanc ttttnnantt ngggantaaa    840
nttnnnnnna ngggngnttt tttnngnnna atttnnnnnn annnnnnnan nnangggnnt    900
ttngnnngna annntnn                                                   917
```

        <210> 3364
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 3364

```
ttaatataca tacanctact tgttctttt gcaggatccc atcgattcga attcggtacg      60
agatcagagg aggcttcttc atccttcaac tccatgatga actcctatat gaagtggcag    120
aagaagatgt tgttcaggta gctcagattg tcaagaatga aatggaaagt gctgtaaaac    180
tgtctgtgaa attgaaagtg aaagtgaaaa taggcgccag ctggggagag ctaaaggact    240
ttgatgtgta actgtgctgt tgatgaagtc ctcccaggga agcctgtgca gatgcagtca    300
cctggaaaga acagagatta cccttcacc tacctcagca aaacaaactt tcaagtcttg     360
atagacttag cctagtaatt ttatagtgag agtttcaaac tatatatcag tgtctatagc    420
atcaaaaact tctgggggcg tggggaagt agaataccaa gtataatagt tacattcact     480
```

                                      952
```
BNSDOCID: <WO___9938972A2_I_>
```

```
ttcaaagagc atctatgaat ttgccttttg tacttactgt ggctttaaac atattcagaa   540
cagatgcttg aaatatgcac ttagcacttt ggttncacat ctgtctgggt aaaccatgaa   600
gaaaatgaac tgctgcctca atcgacccag acagcaccat aggcagataa agaattggnt   660
tcaccctggt ggtggtaggc atcgcgtgtg acttttttn ctctatatca attttcagta   720
cgggaatagt attttaaaat agattggctn ataaattatg aatctttaag tagtagan    778
```

```
        <210> 3365
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G


        <400> 3365
gtnnnnngtt tgannnccat cnttttatat ncattttct actngttctt tttgcaggga   60
tccctcgatt cgaattcggc acgaggggcg aaaaagatga ccgaaattca aactcctgaa   120
aatactcctc gtttatttga tttagtaaaa gtnaaagatg agaaaattcg ccaagctttt   180
tattttgctt tacgagatac cttagtagct gacaacttgg atcaagccac aagagtagca   240
tatcaaaaag atagaagatg gagagtggta actttacagg gacaaatcat agaacagtca   300
ggacaatgac tggtggtgga agcaaagtaa tgaaaggaag aatgggttcc tcacttgtta   360
ttgaaatctc tgaagaagag gtaaacaaaa tggaatcaca gttgcaaaac gactctaaaa   420
aagcaatgca aatccaagaa cagaaagtac aacttgaaga aagagtagtt aagttacggc   480
atagtgaacg agaaatgagg aacacactta gaaaaattta ctgcaagcat ccagcgttta   540
atanagcang aagaatattt gaatgtccaa gttaaggaac ttgaagctaa tgtacttgct   600
acagcccctg acaaaaaaag cagaaattgc tagaagaaac gttgtgcttc aaacaaatat   660
gatgctgtgg ctgagaagct gtaaagtaaa actgagttaa ccttcccata catcgtgaat   720
atatctactc aggcacagca cttgtaataa tacataatat gnttg                  765
```

```
        <210> 3366
        <211> 807
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(807)
        <223> n = A,T,C or G


        <400> 3366
ncttnaagcc cttttaaanc cgttcgaccc atcgatccna ntcaggancc aancnanatc   60
naatctgnac gaaggaaccc cccncnttga gcnnaaactn nncncttnct ggggcaanag   120
ggtggactgg gnnnnangng nanagagaga acgcanggcc annaaggana gaaaaccntt   180
cagcanctca atnaactgcg ggccaagana tctacccgtc tcccttctcn cacaagnacc   240
attggccttn nnatcngaag catttgacaa aaacttgctt gtttgggcct gtcacctcct   300
gaaaggctgn tttagntgtg gatgncctng attaagggag agagcaccta ggagctgcct   360
gccccagctg gggtgacggc tgtagggctg ggtctatgtt gcaagcccta tatcctagcn   420
tgcagnggaa agtgcttagc tntgtncctg ctgacctctg ggcagncant catcaaanca   480
nanagacgtg gcngcntgtg ggcagcatgc ccaantncct tgcttgactn agcactnatt   540
tctggtagnn tnaaaaaaga attnaangtt tnttgggnnn nttttttttgg ggggngttga   600
ggggtgggcc aaaaacatgg ggggtagnnt ttgagttgtt anaaaatgtn tntgaatcaa   660
nntntnttnt nnaaacacga tttgcctttt tacccattat aaagatgggn cttatnaccc   720
acngnactgg ataaaccttt ngggtttttt ttggtntgga nttggttctt tnaaaaaatt   780
tacccaattc atgccctnng ggntccn                                       807
```

```
<210> 3367
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 3367
gnnnntttn nnnntntaaa cccttnagct actcgttctt tttgcaggat cccatcgatt      60
cgaattcggc acgaggctgc cacagggggg caatctttat ttgtcttact tcctacccct     120
tccctgttct gcctctttaa ctcagttaag ttgttctgtt tgggacctgg aaaagaaccc     180
aaagaaaacc tgagtggaca ggttcatttc tggaatgcag aaaacatttt aaaggctaga     240
tttttagaat attctcaact agcattcttt ccattgattt gaaggggaat taactattat     300
aatctcttga atccaaaact ggatattaag aactttcccc cttactaagt ttaagacttt     360
tgtcatgtgg tgagtcaaat aagaccattt tgattgtaaa ccataaaata gttcagcaag     420
tagcccacag ttctggccta acagcagact tgctgttttc acttggtatc ctggagttgg     480
gttgctaacc ttaatttcta tgatgttttc taaaatgaaa cttgataaag tagaccacca     540
gctgcaccgt gttttctgta aaagtattgt tagtaagtgg ccaagagact tgaggaaaat     600
acagattttt tggttacctt ggtcttggtt taagtcttaa aaaattaaag ataacattat     660
aatgtagaat cagatgggac atagtccttg taagcttncc ttggaaatgt tttaaatatt     720
taggaagctt ttaaaagacc taaattgtac tctaaaagac actnaattgt ctaatgtaca     780
aaggn                                                                785
```

```
<210> 3368
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 3368
gnnnntttn nnnntntaaa cccttnagct actcgttctt tttgcaggat cccatcgatt      60
cgaattcggc acgaggctgc cacagggggg caatctttat ttgtcttact tcctacccct     120
tccctgttct gcctctttaa ctcagttaag ttgttctgtt tgggacctgg aaaagaaccc     180
aaagaaaacc tgagtggaca ggttcatttc tggaatgcag aaaacatttt aaaggctaga     240
tttttagaat attctcaact agcattcttt ccattgattt gaaggggaat taactattat     300
aatctcttga atccaaaact ggatattaag aactttcccc cttactaagt ttaagacttt     360
tgtcatgtgg tgagtcaaat aagaccattt tgattgtaaa ccataaaata gttcagcaag     420
tagcccacag ttctggccta acagcagact tgctgttttc acttggtatc ctggagttgg     480
gttgctaacc ttaatttcta tgatgttttc taaaatgaaa cttgataaag tagaccacca     540
gctgcaccgt gttttctgta aaagtattgt tagtaagtgg ccaagagact tgaggaaaat     600
acagattttt tggttacctt ggtcttggtt taagtcttaa aaaattaaag ataacattat     660
aatgtagaat cagatgggac atagtccttg taagcttncc ttggaaatgt tttaaatatt     720
taggaagctt ttaaaagacc taaattgtac tctaaaagac actnaattgt ctaatgtaca     780
aaggn                                                                785
```

```
<210> 3369
<211> 1000
<212> DNA
<213> Homo sapiens
```

954

```
<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

<400> 3369
aattttttn nnccnaattt ttcccnaagg gccccttaac cttttgggtt tttccctttt    60
ttttttttgg gcccaanggg gaaattcccc cccccaattc ccggnaattt ttcccggnaa   120
aaatttttcc cggggcccna cccggnaagg gggaagggg gaaaaatttt taacccaggg    180
gggtttaagg gcccaaaaaa aaattttttaa ttggggggaa gggnttttgg ggggaagggg   240
gnaacccagg gtttanttgg aaaaccccc ccnatttttt tgggaccntt ttttgcccac    300
ccggggggaaa aaagggaatg gaaagccccc aannaatggg cctttttcca aaaaagaaag   360
ccttggggggg ggaccaaggg gaaaaataag aaattggctt accatgggct tggtttata    420
tgaatgatgt gtctgcagga ggaccctgtt tttctgaagt tggactagtg ttgcccaaaa   480
aaagaactgt gtttggtata atctgttgca gtggagaagg agatatagtc acggcatcac   540
ctgtcagtgc tagtggcaac aaatgggtat caataaatgg ctcatgaacg tggacaagaa   600
tttcgaagac cttgtcgttg gncagaattg gaatgacaaa caggcttccc tttttctcct   660
attggtggna ctcttatgtg ctgatataca catttcctag tcttaacttt caggagttta   720
caattgacta acactccatg attgattcag tcatgaacct catcccatgt ttcatctgtg   780
ggacaattgc ttactttggt gggttctttt aaaaagtaac acgaaatcat catattgcat   840
aaaaccttaa aagttctgtt ggtattcaca agaaagacaa aggcagaagt ttaaaagtgg   900
anggaatttt atattttaaa gaactttttg ggttggataa aaacataatt tgagccatcc   960
nagtttttaag tantttcact acatctcaat tgggtgggtg                       1000
```

```
<210> 3370
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1000)
<223> n = A,T,C or G

<400> 3370
aattttttn nnccnaattt ttcccnaagg gccccttaac cttttgggtt tttccctttt    60
ttttttttgg gcccaanggg gaaattcccc cccccaattc ccggnaattt ttcccggnaa   120
aaatttttcc cggggcccna cccggnaagg gggaagggg gaaaaatttt taacccaggg    180
gggtttaagg gcccaaaaaa aaattttttaa ttggggggaa gggnttttgg ggggaagggg   240
gnaacccagg gtttanttgg aaaaccccc ccnatttttt tgggaccntt ttttgcccac    300
ccggggggaaa aaagggaatg gaaagccccc aannaatggg cctttttcca aaaaagaaag   360
ccttggggggg ggaccaaggg gaaaaataag aaattggctt accatgggct tggtttata    420
tgaatgatgt gtctgcagga ggaccctgtt tttctgaagt tggactagtg ttgcccaaaa   480
aaagaactgt gtttggtata atctgttgca gtggagaagg agatatagtc acggcatcac   540
ctgtcagtgc tagtggcaac aaatgggtat caataaatgg ctcatgaacg tggacaagaa   600
tttcgaagac cttgtcgttg gncagaattg gaatgacaaa caggcttccc tttttctcct   660
attggtggna ctcttatgtg ctgatataca catttcctag tcttaacttt caggagttta   720
caattgacta acactccatg attgattcag tcatgaacct catcccatgt ttcatctgtg   780
ggacaattgc ttactttggt gggttctttt aaaaagtaac acgaaatcat catattgcat   840
aaaaccttaa aagttctgtt ggtattcaca agaaagacaa aggcagaagt ttaaaagtgg   900
anggaatttt atattttaaa gaactttttg ggttggataa aaacataatt tgagccatcc   960
nagtttttaag tantttcact acatctcaat tgggtgggtg                       1000
```

```
<210> 3371
<211> 924
<212> DNA
```

955

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(924)
<223> n = A,T,C or G

<400> 3371

```
annnnggnnn nnnnnnnnnn annagnnnnn nagnngttga ntttgaaacc tttagccctt      60
ttgcagancc caccgnttcn gnagatgatg tggatanact tggatactcc cttgagtgga     120
anatannngt gttcagactg nncaagtnta nctccanaga ctttgaagtc tgctacccag     180
aggagcctct cagggactgg ccggagatct ccctgctgac cgagaacgac cgccactacc     240
acattccagt cntttaannc cgctggggc cnaacagcag ngctcaccag tgacggtggt      300
cacagttgcn ataaagtngt ctctgaaacc aaagctagca tttcacnatg gaaggaatta     360
ngacctattc ttcaggatta caggtacact ggntgcaagc catgcatgga tggnttttct     420
taatnntnca gtngatttgc tctnaannca nctgcanatg aaaacanttg gcgagtnggg     480
ngncnggact ttgacccata naggggcgt nggccacttc acatgatggg cggggnctat      540
tgggaccaca aatnaaaggc cngcntggac ancaaacntg ggaaaaaann naagaangaa     600
aaaccacnnt aaagngaaaa nacangcntg accttgggag aggaaaaaaa aaccaagttt     660
taaccggtnn atggttcatt cattnaaaaa aacctnnanc ntcggacttg tattttggag     720
gggatttaan taccnaaana atngggncct tattttnan aataaagcnn anaacctttt      780
accnaaagaa ancccnannt ttgggaatan tggcnatntc taaangggan cccatnnggg     840
attnaacntt gtnaaaaatt aactaanact ttcggggaa aagttgncna aatngaaggt      900
ggntcanaaa naaaanaaga anng                                           924
```

<210> 3372
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 3372

```
ttccatcagc tcttgttctt tntgcaggat ccctcgattc gaattcggca cgagattcca      60
aaggttncaa anaacttggt cataantatg atnatgagaa gacancgtct ttctnttaaa     120
acagnttant ngccttcact tttgtgaaaa tagnnttcan cacanaaact gacttnttta     180
gacaaagttn taaccaatga tngngtnngc ttctaggata tacactctaa ancaactcac     240
tgtcccacgt ggtggtcatt gctggccnta ntnanttggn cctgcntaan natattgata     300
tctaatttcn tttaaccacc ntnantngnc cttanttacc ancnggnnnn nactncacgn     360
ggcaactgng gcntngcntn cttnnccagc tcatggtgng tgaatgttat acaaattgcc     420
actcagatat atttttggnc gtaatggggg gtacaaatga tcatgtgatg tgtncactca     480
tntggtgcaa agtgccccng gcaccaacng ngncnnggtn ctcanccaca accntgctnc     540
ctctgagatn cacnncccnt cancctccga gtaangagtt gcgntacaac tcatcaangg     600
nanactggnt aatattaaaa atcatccnat atgnccatac tttncctntt ttgtanccctg     660
cccaannatc ccgtcaaagg gnngtgtttn tctngctaat ttcccaccag ntggnntann     720
nttaattccn ctcaggganc aaanngttca caatgccttt ctttttttcc cgnnggntt      780
ttggaagcn                                                            789
```

<210> 3373
<211> 869
<212> DNA
<213> Homo sapiens

956

```
<220>
<221> misc_feature
<222> (1)...(869)
<223> n = A,T,C or G

<400> 3373
atttcaaaaa ctcttgcctt nttaaanacc tnncgntact cgatcntnca cgaggaanga      60
ggacctaggc acacacatat ggtggccaca cccaggaggg tagtggngag ttagatttna     120
gagtccaggc cctaggttgg gacccactcc aaataatctc ctcggtgtgg gtggtggttn     180
tatanangga taaatgaata ataaacattn ntaaaatata cgctattcct tgntggaaat     240
gcctgctgca cccccgtttc cantgacntn ccgaangngg ntatnnggtg gtcantggaa     300
tnacagtcaa tccanangtn anccgcngg  gntgcatcaa gctgncctcg cacctgggnt     360
nnncaccctc tggcccacac tggtnatgat gccacacctt nccatgttca cnctgtttgg     420
aaaaanncct tttntttttcc tcttttaaag agaaacatt  ganaaagatt ttttttttta     480
atgggccgac ccnaaaaggg agatctnccc nnccttgtat atnatantnn tgaccctncc     540
tacnaagang gcgttttttgg caaaatnatt nttttntttt tcncgnggtg gtggggggaaa    600
aattttttcct ggggggggcc ttngnngccn aactnttaat tttccccatt aaggcaannt     660
ttctttgggg gncttttcccc ngggggcttaa ncnttaaact ttggaatttt tntnggggtt    720
ggttngnccn taaatttttta nnaaaatggt ngtcnaccc  aaaaaaaaat ntnaccccg      780
ggggccnaan antttttncc ccccccttgga ngcctttttan tttcccccac aaactttttt    840
tttttcccctt ccaaccnctt ttattcttt                                      869
```

```
<210> 3374
<211> 1128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1128)
<223> n = A,T,C or G

<400> 3374
gnnggggnnn nnnnnnnggg gnggggnnn  ggcgnnnggn ncgncggnnn ancnnnnnnn       60
nncnnnnggg ggnnnccccc cgggttttttt ggccaaaatn ttgggccnaa naaacccagg     120
gcccttacct ngggggnccc cttttntttttt tgggcccang gggnnagccc nccncgnncc    180
cgggnanggg ggccngggg  gnagggcccc gcngcnaang ccgnagggg  ggggggcncg     240
cggcccccnc ccannngncc aagagaaaaa nnnaggcggc nnagngaang nggaannccc      300
ntggggcnng gggnnanana nccaagnggg aggggggggg ggggccggcc gggntcgggg      360
gagnnacggn cantnggncn gggggngggg aggggcacag ggggaggagg ncttnnggng      420
gggngagcga gcgcgggggcn cnancagngn gggancncnn gcaanggca  nnagangccg     480
nggnccacct acnnggggga ngcaaggcnn tngnagtnat nggggnagg  agcaaaaang      540
gggngcccng ngctaggncg ancntggggg agggagcnng ccngaacagc nggggggnnc      600
tgggngagaa cnggagcgng ncgnacggc  ccnggagaca aggagcgtct gggggagggc      660
gatggcaagg ggtatgggng gctgggacan gngggggacc cnagngnaaa nncgtgnggc      720
aagnggacg  tnnggggngn nngctggata agggncgcaa ggtaccnagn cgggnncagg      780
gngncactgg nangcaggga gagccgagga cggnnagngc gnggntgagg gnacgncgng      840
gangacgtgc caggnaaccc nggggncgng ggcgggnaaa cnngncgagc ncgccggggc      900
ngcgtcgcag agcgnggnnn aggcgannng gtnaaggngg nggngngggn angnnggggg      960
cgaggggncn aaggatnnng agggggnac  acntgggccn ganggcatgg ncgngcncgg     1020
ggccgaaaca cgggaacgcg gggggagggc angngnggggg nctggggggnc cgnccggnag   1080
gggnacnggg ggcggggggcg cagtggncag tgtgnnngcg gcgagccg                 1128
```

```
<210> 3375
<211> 1128
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1128)
<223> n = A,T,C or G

<400> 3375

```
gnnggggnnn nnnnnnnggg gnggggnnn ggcgnnnggn ncgncggnnn ancnnnnnnn      60
nncnnngggg ggnnnccccc cgggtttttt ggccaaaatn ttgggccnaa naaacccagg     120
gcccttacct ngggggncccc cttttnttt tgggcccang gggnnagccc nccncgnncc    180
cgggnanggg ggccnggggg gnagggcccc gcngcnaang ccgnaggggg gggggcncg     240
cggccccnc ccannngncc aagagaaa nnnaggcggc nnagngaang nggaannccc      300
ntgggcnng gggnnanana nccaagnggg aggggggggg ggggccggcc gggntcgggg    360
gagnnacggn cantnggncn gggggnggg aggggcacag ggggaggagg ncttnnggng    420
gggngagcga gcgcggggcn cnancagngn gggancncnn gcaagggca nnagagccg     480
nggnccacct acnnggggga ngcaaggcnn tngnagtnat nggggnagg agcaaaaang    540
ggngncccng ngctaggncg ancntggggg agggagcnng ccngaacagc ngggggggnnc    600
tgggngagaa cnggagcgng ncngnacggc ccnggagaca aggagcgtct gggggagggc    660
gatggcaagg ggtatgggng gctgggacan gnggggacc cnagngnaaa nncgtgnggc    720
aagnggggacg tnnggggngn nngctggata agggncgcaa ggtaccnagn cgggnncagg   780
gngncactgg nangcaggga gagccgagga cggnnagngc gnggntgagg gnacgncgng    840
gangacgtgc caggnaaccc nggggncgng ggcgggnaaa cnngncgagc ncgccggggc    900
ngcgtcgcag agcgnggnnn aggcgannggg gtnaaggngg nggngnggggn angnnggggg    960
cgagggggncn aaggatnnng aggggggnac acntgggccn ganggcatgg ncgngcncgg   1020
ggccgaaaca cgggaacgcg ggggggagggc angngngggg nctgggggnc cgnccggnag   1080
gggnacnggg ggcgggggcg cagtggncag tgtgnnngcg gcgagccg                 1128
```

<210> 3376
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 3376

```
aantacatca gctnttntct ttttgcagga tcccatcgat tcgagaaagt gctagcacag      60
tttgtgttgt ggatttgcta cttccatagt ttacttgaca tggttcagac tgaccaatgc     120
attttttttca gtgacagtct gtagcagttg aagctgtgaa tgtgctaggg gcaagcattt    180
gtctttgtat gtggtgaatt ttttcagtgt aacaacatta tctgaccaat agtacacaca     240
cagacacaaa gtttaactgg tacttgaaac atacagatat gttaacgaaa taaccaagac     300
tcgaaatgag attattttgg tacacctttc tttttagtgt cttatcagtg ggctgattca     360
ttttctacat taatcagtgt tttctgacca agaatattgc ttggattttt ttgaaagtac     420
aaaaagccac atagttttc cagaaaggtt tcaaaactcc caaagattaa cttccaactt     480
ataagtttgt ttttattttc aatctatgac ttgactggta ttaaagctgc tatttgatag     540
taattaaata tgttgtcatt gatataaacc tgtttggttc agcaaacaaa ctaaaatgat    600
tgtcataaga caggggtttt attttccctg gtgggngtng ctgatttgng gagcatgcct    660
ttaagaatga aaaaagcctg gaatggataa ccttcccttia aaaaggngc cggcattcca    720
attcaaaata ttttcgtcct ggatttnaaa gctggttggg gtaatgctaa ttaaaaattc    780
cttcagttaa ttt                                                        793
```

<210> 3377
<211> 828

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 3377
tcccttttng aaagctttaa accttttta aaccnttcag ctcgggnccc attgcngann      60
cnatctantc nnngccggcn ccgcncngnn gtntnncatt nataaanngc ttgaanatna     120
tgatgtngcc ntctagnnac nnagatttga ntccgnttan ngaatgtgga aatntgcnct     180
ggaagaaatg ttnncnttna tgatagctcg tgnatggaaa aaagngcact gnatttatta     240
cacaaactta cnaatgcttn acttctttac acaacatnng tnaantnata tttgggntat     300
tgcatnctat naacaatttg tgnatgnntt aanatggtgt tnatnactnt gntnnncgnc     360
annntgtttt taacnnatan tggccctaaa atatgggtgt gcttatataa tcgcttactt     420
ctggnactgn aacngnnnta cngaggacag ntgggntttn aaccctcttn ttgnacgttt     480
gccngaccta cntggnctan tatggattct aaaagtactt caatgnnctt annaagaaac     540
atatccttgn gngtattta gatgctttt gattataccc acacaatncc tgaggggaca     600
ttttggggcn tngaatataa aacanttnna tntccactta ncatctgccc cccngnggta     660
agttactatt ngttnngcng gtacaactaa atnncttttc ccantntttn aattgggaaa     720
taggggcgaa tnnctangnc tttantggnt ggtnctgggc ctcaatggac natnnaacaa     780
ttgnnaaana caaatntgta aatcccggaa ttcctnataa aaaaaant                 828
```

```
<210> 3378
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 3378
nnnnnnnntt nnttttnata tacatncagc tcttgttctt tttgcaggat cccatcgatt      60
cgctgacaac ttgattgggt tctccttcag gtttgaagcg ccctcgagaa gtgtctaaag     120
gagacagttg atagccaaac aacagttttg gattcactga ctgattatga aagaagcagt     180
agactggtat caagaatcag tcagcaagga ggccctcacc agacgccagt gccatgttct     240
tggacttctc agcctccata ttcatgaact aagtttttgg aatccttagg cttccngtgt     300
ggaaagcctg agctaaccta ctggaggatg agccatcacc tggagcagat tcaggccatc     360
ctagttgaag cctccctagg ccaagcaacc gtccaactac cagacattga ccattcagcc     420
ttgaacattc agcacaaaga caaaacagac cagaccagaa gagtcccaca gaatagggga     480
aactattcag agaaaactta agccactaag ttttatggtg ttttgttctg tagcagaagc     540
ataggcatac tgacaataca aaccgaaatc cttctaacgt agtggacctt ttcaggccac     600
attttttnct tgaaaacctg gagcatgtat catcttatag cagagatcac tttcacaatg     660
tttgggctct tgatttgaat tgatgatgta atgagccctc tatncagatg nnactaatta     720
ctctgcgaat tgactgggat tcacaccctt ctaatatttt acttttcctc ttttatcaac     780
tctcattctc gct                                                       793
```

```
<210> 3379
<211> 686
<212> DNA
<213> Homo sapiens

<220>
```

```
        <221> misc_feature
        <222> (1)...(686)
        <223> n = A,T,C or G


        <400> 3379
tgtgcncgga aagatnagcc aaatgctttc aaagagctng ggacaggaaa tagaatngct      60
acngtggctg atntatatga gtgatgtgtc tgcaggagga gccctgcttt tgctgaattg     120
gagctagtgt ttggcccaaa aaaggaactg ctgntttggn ataanctgtn ngccanngga     180
nancgagatt atagtacacg gcntgcagcc tgtncaggtg ctagttggca acaaatgggt     240
atncaataaa tggctccatg aacgtggaca agaatnnnca agaccttgtt cttntcagaa     300
ttggaatgac aaacnggctt ccctttttct cctatngntg gtactcttat gtgtctgata     360
tacacatttc ctngtcttaa cnttnaggga gttacaattg actaaacact tcatgattgg     420
nttcacncca tganccctna tcccanggtt tcatttgtgg acaattgctt acttttgngg     480
ggtctttttaa aaaggnacnc gaaatcttca ttattgccgt aaaaacctta aagatctgtt    540
ggnantcaca agaagacaaa nggccgaaat tttaaggggg agggaatttt tntattttna    600
aagaaccttt ttnggttgga nnaaaaacat aatttgagcn ttcnnctttt nagaattccc    660
ctaacatctc aggttgggtg gggngg                                          686


        <210> 3380
        <211> 789
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G


        <400> 3380
ttccatcagc tcttgttctt tntgcaggat ccctcgattc gaattcggca cgagattcca      60
aaggttncaa anaacttggt cataantatg atnatgagaa gacancgtct ttctnttaaa     120
acagnttant ngccttcact tttgtgaaaa tagnnttcan cacanaaact gacttnttta     180
gacaaagttn taaccaatga tngngtnngc ttctaggata tacactctaa ancaactcac     240
tgtcccacgt ggtggtcatt gctggccnta ntnanttggn cctgcntaan natattgata     300
tctaatttcn tttaaccacc ntnantngnc cttanttacc ancnggnnnn nactncacgn     360
ggcaactgng gcntgcntn cttnnccagc tcatggtgng tgaatgttat acaaattgcc      420
actcagatat atttttggnc gtaatggggg gtacaaatga tcatgtgatg tgtncactca     480
tntggtgcaa agtgccccng gcaccaacng ngncnnggtn ctcanccaca accntgctnc     540
ctctgagatn cacnncccnt cancctccga gtaangagtt gcgntacaac tcatcaangg     600
nanactggnt aatattaaaa atcatccnat atgnccatac tttncctntt ttgtancctg     660
cccaannatc ccgtcaaagg gnngtgtttn tctngctaat ttcccaccag ntggnntann     720
nttaattccn ctcaggganc aaanngttca caatgccttt ctttttttcc cgnngggntt     780
ttggaagcn                                                             789


        <210> 3381
        <211> 784
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G


        <400> 3381
naacacttng ctacnngttc tttttgcagg atcccatcga ttcgaattcg gcacgaggag      60
```

```
atctctggga tgtcagtgag gctggttgaa gaccagaggt aaactgcaga ggtcaccacc    120
cccaccatgt cccaggtgat gtccagccca ctgctggcag gaggccatgc tgtcagcttg    180
gcgccttgtg atgagcccag gaggaccctg cacccagcac ccagccccag cctgccaccc    240
cagtgttctt actacaccac ggaaggctgg ggagcccagg ccctgatggc ccccgtgccc    300
tgcatggggc cccctggccg actccagcaa gccccacagg tggaggccaa agccacctgc    360
ttcctgccgt ccccctggtga gaaggccttg gggacccccag aggaccttga ctcctacatt    420
gacttctcac tggagagcct caatcagatg atcctggaac tggaccccac cttccagctg    480
cttcccccag ggactggggg ctcccaggct gagctggccc agagcaccat gtcaatgaga    540
aagaaggagg aatctgaagc cttgggtaag gatttggggc acagtaccag gagggggggct    600
tggtgccaga cctcatgagg aagaaggatt ttcctatgta cagagaaggg gaccctgtc    660
ctgttgggan gtgctgtgca aacctaacca aagttactaa ccccctctggt ttctgnggtt    720
acacaaangg ggataaatac aaagctttnc ctnaactagc caattctatt tgggtttcct    780
gagt                                                                 784
```

        <210> 3382
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 3382

```
aaccaccagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagtgaa     60
agttcaaaca gaaattgcat tgttattaca gagaaagcaa gaactagttg cagaactgga    120
ccaggatgaa aaggaccagc aaaatacatc tcgcctggta caggaacata aaaagctttt    180
agatgaaaac aaaagccttt ctacttacta ccagcaatgc aaaaaacaac tagaggtcat    240
cagaagtcag cagcagaaac gacaaggcac ttcatgattc tctgggaccg ttacattttg    300
aaatatgcaa agaaagactt tttttaagga aaggaaaacc ttataatgac gattcatgag    360
tgttagcttt ttggcgtgtt ctgaatgcca actgcctata tttgctgcat ttttttcatt    420
gtttattttc cttttctcat ggtggacata caattttact gtttcattgc ataacatggt    480
agcatctgtg acttgaatga gcagcacttt gcaacttcaa aacagatgca gtgaactgtg    540
gctgtatatg catgctcatt gtgtgaaggc tagcctaaca gaacaggagg tatcaaacta    600
gctgctatgt gcaaacagcg tccatttttt catattagag gtggaacctc aagaatgact    660
ttattcttgn atctcatctc aaaatattaa taattttttt nccaaaaaga tggtatatac    720
caagttaaag acagggtatt ataaatttag agtgattgnt ggatattacc ggaaa         775
```

        <210> 3383
        <211> 1044
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1044)
        <223> n = A,T,C or G

        <400> 3383

```
naacgcnngc tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagcccc     60
ggtcgtgtag cggtggtata ctacggtcaa tgctctgaaa tctgtggagc aaaccacagt    120
ttcatgccca tcgtcctaga attaattccc ctaaaaatct ttgaaatagg gcccgtattt    180
accctatagc accccctcta gagccaatan annaantnat nntnnnaanc ncnnnancnt    240
ananaanctc nanccttttan aactntnnng agtcntnntn annnnnatnc anacatgntc    300
ncatacatcn cttattttgg ncnnnccnnn cctnnanngc ncnnnnanan angcnntntt    360
```

```
ntcaaattnn nnnncnnncg nnnnnnnntc nnnccatnnc nnnncnnttc tacnnatnnc      420
nnnntnctac nnntccnntn cnttnnaann tntccncncc ntnncngnnn nctnncnnnt      480
tnnnntnnnn nnnnnnncnn ntctnncncc cnnnncntcc nnnnnnnncc nnnntcnnnc      540
tncnnnnnnc ncnnctnntn tnnccnnnnc nnttnntnnn nnnntcnnc nnnntnnnnnt      600
nnnnnnnnnn ncntncnnnn nnntnnnncn nnnnnnnnnn tnnnnnnnnn nntnnnnncn      660
nnncncnncn nnnnnnnnnn nntnnnnncn nnntnnccnn tnnnnnnnnc nncntnnnnn      720
nnctnannnc nnnnnnctnt nnnnnncnnn nnnnctnnnn cnntcnctct cnncccnntn      780
tatcncnnna nnnnnttncn nnnnnnannn nnnnctnnnn ntcnnncnnn cnnnncnnnn      840
nntnnncnnn cnntncncnn tnnccnnnnn nnnccnnnnn nntctnnnnc nnncncncct      900
nnnnntnctn nnnncnnncnn nnnnnnnntn tctcnctnnn cncntnnnnn cntncnctac      960
ncnctnnccn cnanccnnnn tncatnnctn nnntcnctnt tacctttacn nccncncncc     1020
cttnccnatn acncaatncc ncct                                            1044
```

         <210> 3384
         <211> 783
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(783)
         <223> n = A,T,C or G

         <400> 3384

```
tcaacagctg gctactcgtt ctntntgcag gatcccatcg attcgaattc ggcacgagca      60
gccttggtga cagagcgaga ccctgtctct aaaaaataaa taaataaaat attgtgagtc     120
tctgatgggg agcagtattg catggtggtt gagaactgag gctctgatgt tagaactgga     180
ttctgactta acccactgtt tgcccacatc ttgagccttg gtttccctat ctgtaaaatg     240
gcagtattct cgggctggct gaggaaagga aatgaggcca ggcgcggtgg ctcaggcctg     300
taatcccagc actttggcag gctgaggcag gtggatgatt tgaggccagg agtttgagat     360
cagcctgacc aacatggcaa accccgcgt ccactaaaaa tagaaaaaaa tagctgggca     420
tggtggtgca cccctgtagt ctcagctact gggagacag aagcaggaga attggttgaa     480
cttgaaggt ggaggttgca gtgagctgag atcgcaccac tgcactccat cctgggcgac     540
agagcaagac tgtctcaaaa taaataaata aataaataaa taaagttaaa aaanaaaaaa     600
aaaaactcga gcctctagaa ctatagtgag tcgtattacg tagatccaga catgataaga     660
tacattgatg agttcggaca aacccacaac tagaatgcan tgaaaaaaaa tgctntattt     720
gtgaaatttg tgatgctatn gctttattt gtaaccatta taagctgcaa ttaaccagtt     780
aaa                                                                   783
```

         <210> 3385
         <211> 783
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(783)
         <223> n = A,T,C or G

         <400> 3385

```
tcaacagctg gctactcgtt ctntntgcag gatcccatcg attcgaattc ggcacgagca      60
gccttggtga cagagcgaga ccctgtctct aaaaaataaa taaataaaat attgtgagtc     120
tctgatgggg agcagtattg catggtggtt gagaactgag gctctgatgt tagaactgga     180
ttctgactta acccactgtt tgcccacatc ttgagccttg gtttccctat ctgtaaaatg     240
gcagtattct cgggctggct gaggaaagga aatgaggcca ggcgcggtgg ctcaggcctg     300
taatcccagc actttggcag gctgaggcag gtggatgatt tgaggccagg agtttgagat     360
```

```
cagcctgacc aacatggcaa accccgcgt  ccactaaaaa tagaaaaaaa tagctgggca   420
tggtggtgca cccctgtagt ctcagctact tgggagacag aagcaggaga attggttgaa   480
cttggaaggt ggaggttgca gtgagctgag atcgcaccac tgcactccat cctgggcgac   540
agagcaagac tgtctcaaaa taaataaata aataaataaa taaagttaaa aaanaaaaa    600
aaaaactcga gcctctagaa ctatagtgag tcgtattacg tagatccaga catgataaga   660
tacattgatg agttcggaca aacccacaac tagaatgcan tgaaaaaaaa tgctntattt   720
gtgaaatttg tgatgctatn gctttattt  gtaaccatta taagctgcaa ttaaccagtt   780
aaa                                                                 783
```

```
        <210> 3386
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 3386
caacgctngc tacnngttct ttttgcagga tcccatcgat tcgaattcgg cacgagcaaa    60
gaggtacaga gtgaagacag tgtcctcctg tttgttattg catggacgat cacggaaatc   120
atccgttact cctttttatac attcagtcta ttaaaccatc tgccttacct catcaaatgg   180
gccaggtaca cacttttcat tgtgctgtac ccaatgggag tgtcaggaga actgctcaca   240
atatatgcag ctctgccctt tgtcagacaa gctggcctat attccatcag tttacccaac   300
aaatacaatt tctcttttga ctactatgca ttcctgattc taataatgat ctcctacatt   360
ccaattttc cccagttata cttccacatg atacaccaga gaagaaagat cctttctcat    420
actgaagaac acaagaaatt tgaatagttc ctgctttctg cacctcccac caaaacaaac   480
ttttcaatga tcaaaaaatg ctgcagattt tttgagttcc caatacgttt catagaaaat   540
aagtaagaac tatttttaaa atattcaaac aaaactaaaa caaaaatcca gtgtcacatg    600
ggcctgagat tttatttttag aaaaaggttg ttacataaaa caccctggcc agttcatttc   660
agcatgctct ttcaaccaga agttcttaat atttatgatg gcactagaaa gggatttggc    720
attttatgtc cttctgtgtc cttcatgtat ctgatcaatg aagacctgta ccactaan     778
```

```
        <210> 3387
        <211> 776
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(776)
        <223> n = A,T,C or G

        <400> 3387
catanagntc ttgccttttt gnaggacnct cgattcgaat tcggcacgag cccccatctt    60
cactggttat tccacttatt taaaatgtcc agaataagca aatctccata tagaggaagt   120
agattagtgg ttgcttcggg atgggaggaa tgggaagatt gaggtctttc ttttgcagtg   180
ataaaaatgt cctaaaattg actgtagcga tggtcacaca actctgaata tgcttaagac   240
cattgaatta cacactttac gttggtgaat tgtatggatg taaattatag ttcaataaca   300
tagttacaaa agataatcaa aagcatgaaa gcactgttga tgtggnttgg atctgtgtcc   360
tcaccgagtc tnatgttgaa atgtaagccc cctggtggga ggcgatggga ttatggggca   420
gantcctcac aaacgggtta gcccacccgc tcaggctgtt ctcctgatat tgagtcctca   480
tcacatctgg ttgcttcaaa gtgtgtggng ccttccctct atctcctact gctctggcca   540
tataagangt gcctgcttct ccttcgcctt ntacatgatt gtaaagtttc ctgagcctcc   600
tagaacnaaa gctgctgngc tttctgtcca tctacangan cgtgagccca attaaacctc   660
```

```
tttttttttt ttnngaggnn ntttnntnnc nntccnnnca ntttnanann cctngnanng    720
gtttnnaaaa anaananngn naannnnnnn nnccccncgc ccttttaaaa taaaaa        776
```

        <210> 3388
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G

        <400> 3388

```
tatacataca gctacttgtt ctttttgcag gatcccatcg attcgaattc ggcacgaggt     60
gccatcttgc tatgtttccc aggctggttt tgaactccca gcctcaagca atcctccctt    120
tccgcctcag cctcccaagt ggctggggtt atgggcctga gccactacac agctaagagt    180
gtcttgtatg tgctaatgag atggctggtg tctgagagcc cctagagagc ttcaagatgg    240
gggctagtct ttagaaagtc caagcaatgg ctaggtatgg tggccactgc ctgtaatccc    300
aggagtttgg gaggccaagg tggacagatc acctaggagt ttgagaccag cctggccaac    360
atggcgaaac actgtctcta ctaaaaagac aaaaattagc aagacaaaaa ttagctgggc    420
ttggtggtga gttcctgtag tcccagctac ttgggaggct gaggcaggag aatcacttga    480
acctgggagg cagaggtttc agtgagctga gatcatgcca ctgcacacca gccgcctggg    540
tgacagagca agactccatc taaaaaacaa aaaaagtcat gattagaggg ttggaacttt    600
cagccttcg gcctctgctt cttgtcccca cctntgggca naagggaagg gctagagatt    660
gaattatncc aatggccaat gatttatttta atcaatatga aaccttcata aaatcccta    720
agtgataaag ttcanagagc tttcaagttg gtaaagcttt tctangtgct tgggaagggn    780
```

        <210> 3389
        <211> 815
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(815)
        <223> n = A,T,C or G

        <400> 3389

```
gnncnnttnt atacatcagc tcttgtcttt gcggtccctc gttcgattcg gcacgagtaa     60
gaatccccac ccccatcaat tttcaggaat gggatggtct agtaaggata acctttgtta    120
ggaaaaacaa gacactctct gctgcattta aatcaagtgc agtgcaacaa ctcttggaaa    180
aaaactacag aattcactgt tcagtccata atattataat accagaagat ttcagcatag    240
cagataaaat acagcaaatc ctaaccagca caggttttag tgacaacggg cccgttccat    300
ggacatagat gacttcatca gattgctaca tggattcaac gcagaaggta ttcattttc     360
ctaggtattt ggaaaacaga aattttcaag gtcaagaaaa gaaatgaatt ttgtattttt    420
tgtatttgag aagataatgc ttttgcttta ctgagacatt atttacttga ctatttttgg    480
ttcaatacta ctactggtgt caccatttat gattctgaat ttaaagttgg gaaaggtcta    540
agtatcaaag ttttttaatat ataatgctgg tccaatctat tcataataat cttcaaggtc    600
agggagcccg cagagaccca ccaacttttn cacttatcat ttctaacagg ttattggata    660
aagaangtan ctcttctatt taccgggnat atacctggna aggccttntt tnnggncctt    720
tagctctggt tcctccnggt aattaaaaaa ggttaaaaat atggaaaaaa aaaaaaaaaa    780
aaaaaactcc gngggcctnt agaactttt ggggg                                815
```

        <210> 3390
        <211> 857

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(857)
        <223> n = A,T,C or G


        <400> 3390
tcaacngctt ggctancgtt ctctttgcag gatcccatcg attcgcgtct canacaannn        60
aagtatncta cccatccaca ggcagcagac aaggaagtac cttctgtgac tgnctggcaa       120
ggtcagaggc atnagggaag gtaaantact gnaactatat tnntaaaaat aaaagtattc       180
cctttatgag tgtgaattac gaatcaatgc cccttctcac tactttttgt gaaaaaaatt       240
accactnctg cancaagtct atgcctgggt aaccaccaac ccnccaaanc cnagaagaag       300
nccccctttt ccggcntntg gaaggctgga gnancattng natntnggcc aacnggnccn       360
taaantggng aantnaccca ctttcctttt acaancggtt ggcntcntna naccancaca       420
aattntntgg cacccgggtn ctctnnacag gnaaccctgn naancaaana aaccntggng       480
tctgcactcn nggngcccan ntnctncggc ttgntntaaa atgactntgn cntncctttt       540
ttaaaattca caaatntttt anccnctaca tanacatatg aagtgagnaa cccncanann ·     600
gaanattnan aaaacntccc agccnncttt taactactan tngagnnctn tttaatnntc       660
tnatccccnn aannttgttg atggangccc attcgtttnn cacctttttg ganganaatc       720
ccncccacct tcctnaataa tctnntcnga ataaaaaaaa cncccctcat attattcnnn       780
caanaaantn tttnnnanna cnnccanggn gggctccntt tttngccccn cnctttttnna      840
nncaccntcn ntanaaa                                                      857


        <210> 3391
        <211> 857
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(857)
        <223> n = A,T,C or G


        <400> 3391
tcaacngctt ggctancgtt ctctttgcag gatcccatcg attcgcgtct canacaannn        60
aagtatncta cccatccaca ggcagcagac aaggaagtac cttctgtgac tgnctggcaa       120
ggtcagaggc atnagggaag gtaaantact gnaactatat tnntaaaaat aaaagtattc       180
cctttatgag tgtgaattac gaatcaatgc cccttctcac tactttttgt gaaaaaaatt       240
accactnctg cancaagtct atgcctgggt aaccaccaac ccnccaaanc cnagaagaag       300
nccccctttt ccggcntntg gaaggctgga gnancattng natntnggcc aacnggnccn       360
taaantggng aantnaccca ctttcctttt acaancggtt ggcntcntna naccancaca       420
aattntntgg cacccgggtn ctctnnacag gnaaccctgn naancaaana aaccntggng       480
tctgcactcn nggngcccan ntnctncggc ttgntntaaa atgactntgn cntncctttt       540
ttaaaattca caaatntttt anccnctaca tanacatatg aagtgagnaa cccncanann       600
gaanattnan aaaacntccc agccnncttt taactactan tngagnnctn tttaatnntc       660
tnatccccnn aannttgttg atggangccc attcgtttnn cacctttttg ganganaatc       720
ccncccacct tcctnaataa tctnntcnga ataaaaaaaa cncccctcat attattcnnn       780
caanaaantn tttnnnanna cnnccanggn gggctccntt tttngccccn cnctttttnna      840
nncaccntcn ntanaaa                                                      857


        <210> 3392
        <211> 956
        <212> DNA
        <213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(956)
        <223> n = A,T,C or G

        <400> 3392
ccctcancgn ncnnaacann nctcnnannc tcnnatctta nctttcnnna tcnantantc    60
ncganannnn tncctcccnn atnntaccna nttancttac cncctcnnna acnnctannt   120
tnaantnntt ngnnncccng tnttantntt ttctaacnct ggggaatcgc ntctnngnag   180
ganccntcga ntcgaaaatg ccttcattnn cctttttact ttatcatgag acataagatt   240
tattggcttc atatcaaccc ttaagtattg ttaacttttat gtaatagcat ttgggttggg   300
gattggtgtg ttttcggttg tacatagcat agttgaatta tgttaggcat aattatgacc   360
ttattattgt ctttatttga aaattatata tgatctcagg aaatgtgtat gagttcaagt   420
tgacaaggag tggatnnggg atggttgata ctgagtgtca acttgattgg attgaagcat   480
gcagagtaat aatcctgggt tgtgtcctgn gagcnatgtn tcccaaanga gaataacatt   540
tgagtcangn gggctgggga aaggcanacc cacccttaaa ctgggtgaac accctntaat   600
caaactgtct gctntggcca gnatataaaa gcangccnga aaacntgaaa aggctagaca   660
ggcctttagc cctctcagcc ctacatcttt ctcccgtgct tggatgnttc ctgncctcaa   720
acnccanact tcaagtnctt cancttttgg gacttgaacc tggctctcct tgntcntnaa   780
ntttgnatca cnggcttatc tgngnggnac cttancngtt nagttcnaat acctccnnaa   840
ttaaacncnc ttttctntac ananactccc nctnaattcg nacccntnta naantnatag   900
tganccccnca aacctnnatc cnnnncttga tanngancca ttgnacnnnt tnnnnc       956
```

```
        <210> 3393
        <211> 703
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(703)
        <223> n = A,T,C or G

        <400> 3393
caatgctggn ctaatgctgg ctctngttct ttcgcaggat ccctcgattc gaattcggca    60
cgaggagcaa aataggatta tattaaagaa gcaaaagaat gtcctaaaaa ttctccctgg   120
gattaagtaa cacagtgatt gatattagtg gagtagaggg aaagatccat gttagagata   180
gcttaagata gggattagat gaattgaggg caatgactaa agatactgct tgcaagaaaa   240
ctggctgaga atgagaggaa aatcttagtt gcttggcggg aggggtttg tggttgtgaa    300
agatagtttt gtttaatctt agtcttaaat ttaaaaccaa gcagcaagga tctagctgag   360
agaataattg aatacattaa tataggagga cagacaaaga tcctgaaaag gctgggagaa   420
gagcatccaa agcacaggtg gagagacaaa aaggttaggg ctgctggcag ctgtggagag   480
aactgtacgt ggtaaggggg agatataaga tgtcctgcat aagtattttc cctgtagatt   540
gcaaagtcat ctatggagag gaaaggtcca aaatagtcac tggggagagc aggtgaatta   600
gatggccaag cagggtggat ggatcatttg aggtttgggg tgacagatca actgagatcc   660
acttacactt ctgaaaacca agacacttta gaattaaca ccg                     703
```

```
        <210> 3394
        <211> 706
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(706)
        <223> n = A,T,C or G
```

```
        <400> 3394
atgntggnct aatgcttggc tactngttct tttngcagga tcccatcgat tcgcagcgga      60
tggccgaaaa tctaggcttc gttgggcctt tgaaaagcca ggctgcagat caaattacga     120
agctgtataa tctcttcctg aaaattgatg ctactcaggt ggaagtgaat ccctttggtg     180
aaactccaga aggacaagtt gtctgttttg atgccaagat aaactttgat gacaacgcag     240
aattccgaca aaaagacata tttgctatgg acgacaaatc agagaatgag cccattgaaa     300
atgaagctgc caaatatgat ctaaaataca taggactaga tgggaacatt gcctgctttg     360
tgaatggtgc tgggctcgcc atggctactt gtgatatcat tttccttaat ggtgggaagc     420
cagccaactt cttggatctt ggaggtggtg taaaggaagc tcaagtatat caagcattca     480
aattgctcac agctgatcct aaggttgaag ccatccttgt caatatattt ggtggtatcg     540
tcaactgtgc catcattgcc aatgggatca ccaaagcctg ccgggagcta gaactcaagg     600
tgcccctggt ggtccggctt gaaggaacca acgtccaaga ggcccagaag atactcaaca     660
acagcggact ccccattact tcagccattg acctggagga tgcacg                    706


        <210> 3395
        <211> 699
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(699)
        <223> n = A,T,C or G

        <400> 3395
gnnnctaatg ctggctattg ttcttttgc aggatcccat cgattcgaat tcggcacgag       60
gcccagctac gatctatatg ctgtcatcaa ccactatgga ggcatgattg gtggccacta     120
cactgcctgt gcacgcctgc ccaatgatcg tagcagtcag cgcagtgacg tgggctggcg     180
cttgtttgat gacagcacag tgacaacggt agacgagagc caggttgtga cgcgttatgc     240
ctatgtactc ttctaccgcc ggcggaactc tcctgtggag aggccccca gggcaggtca      300
ctctgagcac cacccagacc taggccctgc agctgaggct gctgccagcc agggactagg     360
ccctggccag gcccccgagg tggcccccac gcggacagcc cctgaacgct tcgccccccc     420
tgtggatcgg ccagccccca cctacagcaa catggaggag gtggattagc aggtccctgg     480
ctgatggggg ggactgggtt tgggacaccc acacagaggg ccagctcctt gccgcttctc     540
cttctctaac ccagaggaca ctggctctgt cagtgggaag ctgaggggta tgatttgggt     600
gtggagacct ctcaggttgg gacttcttgt cagcttggac ccctgaccag tgggctttgg     660
cttctccagc cgccttcagt gctgcgtgat ttgattctg                           699


        <210> 3396
        <211> 1104
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1104)
        <223> n = A,T,C or G

        <400> 3396
tttcaacgct ggctactngt tcttttttgca ggatcccatc gattcgaatt cggcacgagg    60
ttatgtctgg ctgtagctgt ggtcacgtg aagatgacag acgatgagct tgtgtataac    120
attcacctgg ctgtcaactt cttggtgtca ttgctcaaga aaaactggca gaatgtccgg    180
gccttatata tcaagagcac catgggcaag ccccagcgcc tatattaagg cacatttgaa    240
taaattctat taccagttaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa    300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanann naanaataan cntantncnn    360
nnanttnatn ncnancttct ccatntacna nnannttant nactacannt cncatcnnnc    420
```

967

```
ttatcttcta ataccnaccc ncnnatntna ccatctaccc tntnctcaac cntccncntn    480
natnctcttn ntcncccncn ncaccctcnc ncntcnantc ctntatannt ttctcccctc    540
ncctcgnncn ctnngtncnt tntctactgt tnctcntnta nnctctcttc tctnnctctc    600
ntnnctntct nnancnttnt tnnccnctcn gctcnncnct ctnncttctc tatcttcccn    660
tnctcncacn ctctcatgca attnnacnnt cnctnctnca ncnattngac tcncntctnn    720
atctntctgc atcactnanc nncnnntnnc ttctctctac cnncantctc ttntnnnnnt    780
nnnncnncnn cttatnacnn nncnnnntnt ntnnnnactc nntntntann nnntnncann    840
nntnnncntc tnnncnntnn ntnctnntnn nnncttnnnt nntaccnaan nnnnnnnncn    900
nncncnntna nntnnnatna ntnncatncn ctcacntatn nnctctcnnn nanannncnc    960
nctccctnnn nnatnnctcn cttnacatac tctctatctn nnncnaccnc tacnancanc   1020
tnnttntnct nnnnnntana cncttnnnna tntnngctct cnnncnncac nctnttctnn   1080
nantnatctc ttccccngnc naac                                          1104
```

<210> 3397
<211> 811
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(811)
<223> n = A,T,C or G

<400> 3397
```
tttnnnnntn tnaatccctt ngctaccncc ntttgatnga catacancta cttgttcttt     60
ttgcagggat cccatcgatt cgaattcggc acgaggaatc accctcggct gggaagtcag    120
ttcgnnctct cctctcctct cttnttgntn gaacatggtg cggactaaag cagacagtgt    180
tccaggcact tacagaaaag tggtggctgc tcnagccccc agaaaggtgc ttggttcttc    240
cacctctgcc actaattcna catcagtttc atcgaggaaa gctgaaaata aatatgcnng    300
aggaaccccg tttgcgtgcg cccaactccc aagtggcaaa aaggaattgg agaattcttt    360
aggttgtccc ctaaagattc tgaaaaagag aatcatattc ctgaanaggc acgangcagn    420
ggcttaagaa aancaaagag aaaagcatgt cctttgcaac ctgatcacac aaatgatgaa    480
aaagaataca actttctcat tcatntntgn ataacgnctc cttgtttacc ctggtattct    540
agaatgtaaa tttacataaa tgtgtttgtt ccaattagct ttgttgaaca agcatttaat    600
tnaaaaantt acgtttaaat ttagatgttc aaaaggagnt gngaaatttg agaatnngta    660
agactaatta tggnaactta gcttagtatt caatataatg cattggtggg gtttctttta    720
cccaaattaa ggggtctagt tctttgttaa aatcaagnca tttgcatttg tggttctaaa    780
tacaagtatt gttgcntttg agaattgctt a                                   811
```

<210> 3398
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 3398
```
nntnnnnntn tgaaancctt nggctacttg ttcttttttgc aggatcccat cgattcgaat     60
tcggcacgag attctctcaa taatggccag ccgaaaagta cgcgctgcca ggcatctgcc    120
tccgcggagt cattaaactc ccacagtggt caccccactg ctgatgtaca gactttccag    180
gcaaagcgcc atattcatca acaccgtcag tcttactgta attataacac tggaggtcag    240
ttagagggca atgcagccac ttcctatcag aagcagactg acaaacccag ccactgtagc    300
cagtttgtga cacctccgcg gatgaggaga cagttctcag cacccaatct caaagctggt    360
```

968

```
cgagaaaccc agtataaatc agttctggac aaacttgaaa tcatggtgga agaaacagac    420
agtgttagct catgatttga tttggttcta cctttggcct tgagttctta ttatttacat    480
tataaatatt aactggtttt atattgntaa gacaaaacac tggtaaaagt ttcaacacct    540
cccttttgct tgtataccat aaatgggcag nttctgaaat tttggataaa gcatcaagaa    600
ctccttttc tgaaacgttc ctnctttttt agtgcctaat taatatactt acttacccng    660
gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaaaactcgg cctttaaaat    720
ataggggggnn gnnttacnna aatccaann                                      749
```

        <210> 3399
        <211> 810
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(810)
        <223> n = A,T,C or G

        <400> 3399

```
canctcttgt cttttttgcgg accctcgttc gaattcggcc gagtaagaat ccccccccca     60
tcaattttca ggaatgggat ggtctagtaa ggataacctt tgttaggaaa aacaagacac    120
tctctgctgc atttaaatca agtgcagtgc aacaactctt ggaaaaaaac tacagaattc    180
actgttcagt ccataatatt ataataccag aagatttcag catagcagat aaaatacagc    240
aaatcctaac cagcacaggt tttagtgaca acgggcccgt tccatggaca tagatgactt    300
catcagattg ctacatggat tcaacgcaga aggtattcat ttttcctagg tatttggaaa    360
acagaaattt tcaaggtcaa gaaaagaaat gaattttgta tttttgtat ttgagaagat    420
aatgcttttg ctttactgag acattattta cttgactatt tttggtcaat actactactg    480
ntgncaccat ttatgattct gaatttaaag gtggaaggt ctaagtatca aaggttttaa    540
tatataatgc tggnccaatc tattcataat aatcttcaag gtcaggagcc cgcagagacn    600
cncaactttc cacttatcat ttctaacagt ttattgnata aaggatggta cctctttcta    660
ttttaccngg naatatacct ggaaagggcc ttcttttang gnccttttaa cctctgggtt    720
ccctcccggt naattaaaaa aaggtttaaa attnttgaaa aaaaaaaaaa aaaaaaaaaa    780
cctcggggggg ccttttaaaa actttttggg                                     810
```

        <210> 3400
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G

        <400> 3400

```
gnnttnannc cnttttnatn cncntncagc tcttgttctt tntgcaggat ccctcgattc     60
ganttcggca cgaggtgagg ctctcttaan aaatttaaaa atactgnnga acaaagggag    120
gagtttgtct taatctggag tggaggaaac ttctgngtca ccnaacacag aaaccatcaa    180
agaaaatctt tcactttcna aattagtcta tacaaaaaaa aangaaaatc ttaccccaaa    240
tnanagactg aggcatgagc ttcaatcaat cgangtttac tggccnnagt tngagcntgc    300
ccagnaaagc aacacaagtc aaagaaacgt ctgtggcctg tgctctccca aaaagttttc    360
aggaggctca anatttgtac atttctttaa anggganaag acagtgaggc anatggttat    420
gttttgtga gactcttant tagtgtcccn tgaatctaaa ctntntggaa nataggtgta    480
acactgnaag ancagggagt gacataanaa ccaattatgc nacacgtctc atgttacgtg    540
gaggaatgan gntctcatct tatccttgtt ctgcccctgn gcagataaac ttgttattga    600
cattgtcagt ntgaaattta acagactttt gttttangag ttaagtttan ggtgcacacc    660
```

```
taanatgcac ttggcatgtn ctttgtttnt tggaggatat ncatnctgaa ggtttagggg   720
ctgccaaana atttactgct gaccanttgg gattgcagtc cctggagatt catgaggctt   780
```

```
        <210> 3401
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G

        <400> 3401
gnnttnannc cnttttnatn cncntncagc tcttgttctt tntgcaggat ccctcgattc    60
ganttcggca cgaggtgagg ctctcttaan aaatttaaaa atactgnnga acaaagggag   120
gagtttgtct taatctggag tggaggaaac ttctgngtca ccnaacacag aaaccatcaa   180
agaaaatctt tcactttcna aattagtcta tacaaaaaaa aangaaaatc ttaccccaaa   240
tnanagactg aggcatgagc ttcaatcaat cgangtttac tggccnnagt tngagcntgc   300
ccagnaaagc aacacaagtc aaagaaacgt ctgtggcctg tgctctccca aaaagttttc   360
aggaggctca anatttgtac atttctttaa anggganaag acagtgaggc anatggttat   420
gttttttgtga gactcttant tagtgtcccn tgaatctaaa ctntntggaa nataggtgaa   480
acactgnaag ancagggagt gacataanaa ccaattatgc nacacgtctc atgttacgtg   540
gaggaatgan gntctcatct tatccttgtt ctgccctgn gcagataaac ttgttattga   600
cattgtcagt ntgaaattta acagactttt gttttangag ttaagtttan ggtgcacacc   660
taanatgcac ttggcatgtn ctttgtttnt tggaggatat ncatnctgaa ggtttagggg   720
ctgccaaana atttactgct gaccanttgg gattgcagtc cctggagatt catgaggctt   780
```

```
        <210> 3402
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3402
gntttnnnnc nnttttaatn tacatacanc tacttgttct ttttgcaggg atcccatcga    60
ttcgaattcg gcacgaggga acccccacca ttaagctaaa gtaaaaccct tttgagggaa   120
gagggagact ggggagaagg gaaaagagag aaggcaggga gagtagggag agaaaacctt   180
ccagcagccc agtaaactgc gggcgaagag atctacccgt ctccctccct cccacagtta   240
ccattggcct tgtcatcgca agcatttgac aaagacttgc ttgtttgggc ctgtcacctc   300
ctgaaaggct gctttagctg tggatgccct tgattaaggg agagagcgcc taggagctgc   360
ctgccccanc tggggtgacg gctgtagggc tgggtctatg ttgcaagccc tatatcctan   420
catgcagtgg aaagtgctta gctctctccc tcctgacctc tgggcagcca gtcatcaaag   480
cagagagacg tggcggcatg tgggcagcat gcccaggttc cttgctgact cagcacttat   540
ttctgtagtt ttaaaaaaga atttaatgtt tttggttgta tttttttggg ggggtgaggg   600
tgggcaaaaa catgggggta gttctgagtt gttagaaatg tttctgaatc aagtttgttt   660
gaaaacacgt tgtgcctttg tacccattat aagatggtca taanacccaa gaactgataa   720
gctttgggtt ttttttggtt tggtttggtt ttttgcttca ttttacccat tcatgcctag   780
ggtttccat                                                          789
```

```
        <210> 3403
        <211> 778
```

●

●

```
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(778)
          <223> n = A,T,C or G

          <400> 3403
gntttaannc nnttttaata tncatncanc tacttgttct ttttgcagga cccatcgatt        60
cgaattcggc acgagggaac ccccaccatt aagctaaagt aaaacccttt tgagggaaga       120
gggagactgg ggagaaggga aaagagagaa ggcagggaga gtagggagag aaaaccttcc       180
agcagcccag taaactgcgg gcgaagagat ctaccgtct ccctccctcc cacagttacc       240
attggccttg tcatcgcaag catttgacaa agacttgctt gcttgggcct gtcacctcct       300
gaaaggctgc tttagctgtg gatgcccttg attaagggag agagcgccta ggagctgcct       360
gccccagctg gggtgacggc tgtagggctg ggtctatgtt gcaagccta tatcctagca       420
tgcagtggaa agtgcttagc tctctccctc ctgacctctg ggcagccagt catcaaagca       480
gagagacgtg gcggcatgtg ggcagcatgc ccaggttcct tgctgactca gcacttattt       540
ctgtagtttt aaaaaagaat ttaatgtttt tggttgtatt tttttggggg ggtgagggtg       600
ggcaaaaaca tgggggtagt tctgagtttg ttagaaatgt ttctgaatca agtttgtttg       660
aaacacgtgt gcctttgtac ccattataag atggtcataa gacccaagac tgataagctt       720
tggttttttt tgtttggttt ggttttgctt catttaccca ttcatgccta gggttccn       778

          <210> 3404
          <211> 779
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(779)
          <223> n = A,T,C or G

          <400> 3404
caacgctggc tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgaggctg        60
agcgagtgtc tcaagcgcat cggggacgaa ctggacagta acatggagct gcagaggatg       120
attgccgccg tggacacaga ctccccccga gaggtctttt tccgagtggc agctgacatg       180
ttttctgacg gcaacttcaa ctggggccgg gttgtcgccc ttttctactt tgccagcaaa       240
ctggtgctca aggccctgtg caccaaggtg ccggaactga tcagaaccat catgggctgg       300
acattggact tcctccggga gcggctgttg ggctggatcc aagaccaggg tggttgggac       360
ggcctcctct cctactttgg gacgcccacg tggcagaccg tgaccatctt tgtggcggga       420
gtgctcaccg cctcactcac catctggaag aagatgggct gaggcccca gctgccttgg       480
actgtgtttt tcctccataa attatggcat ttttctggga ggggtgggga ttgggggaca       540
tgggcatttt tcttactttt gtaattattg ggggtgtgg ggaagagtgg tcttgagggg       600
gtaataaacc ttcttcggga cacaaaanaa aaaaaaaaa aactcgagcc tntagaacta       660
tagtgagtcc gtattacgta gatccagaca ttgataaaga tacattgatg agtttggaca       720
aaccacaact tgaatgcant ngaaaaaaat gctttaattt gggaaatttg gngaagcnn       779

          <210> 3405
          <211> 803
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(803)
```

971

<223> n = A,T,C or G

<400> 3405

```
nnnnnnnntt taaatnccat tnntttctnn nnnttttnat ntanatacan ctacttgttc    60
tttttgcagg atcccatcga ttcgaattcg gcagaagatt aaaccggttt ctgtgggcac   120
ctctgtcctt gctgctggtg gggaagggaa gccagatcca gcaccccctg gggggccatc   180
gggagtgtgg ctgggggtga aggggctct gtggcaatat ggggttgggt agtgtgggtg    240
gcaggccatc ccctctaatc ttggaacctc tgaatatggg acctcccaca gcaaagggtg   300
actttgtcat taanaaagac tggggtgggt gtggtggctc acgcctgtaa ccccagcact   360
ttgggaggcc aaggtgggca gatcacgagg tcaagagatc ganaccatcc tgncgaacat   420
ggtgaaaccc catctctact aaaaatacaa aaaattagcc gggtgtggtg gtgggcacct   480
gtcgtnccac tctaaggagg ctgangcacg anaatggtgt gaacccatga ggcacanctt   540
gcantgagcg aanatcgcac cactgnacgc actncaacct gggtgacaga gcgagactcc   600
gtctcaaaaa aaaaaaaatt tcaagactgg agaggtnatc ctgaattgtc cagctacncc   660
ccatgtnatc acagggcctt catgacaggg ncagagccac canctttgaa gannchgtcc   720
tnccccnaa cangcagnct gganaaactt ggncangaca agtaggacat tcctggagcc     780
tccanaangg actgggcttt tnc                                            803
```

<210> 3406
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 3406

```
caangctggc tatcgttctc tttgcaggat cccatcgatt cgaattcggc acgagcctga    60
ggtcacatgt ggatttggcc agagccttca ggaggtggag ccggtgagg tcaggagccc    120
agctctccag ggggcttctg ccctgactgg gaagggtgcc tggctcccta aaacaatgtc   180
aaagccagtc ctgctgttct ctgttgccag ggggcaggtc tgggcctggg ccaaccacgt   240
ttgttatcat ggctgctgcc ttctggacag ctgccagctc tgccttgaga ggttgtggga   300
cctctggatc cagctgacct gacaggtcat ctactcaggg aggagccctg tgctcccagc   360
tcagaggaca gtctgggcca gaactggaag gagacatctg tcccgtcttt gagtgacaag   420
cccgggacaa cagccagtgg gcatcacggc tctccagcac tccttagccg gaggatacag   480
agtgatgggt gcatcctgac caatgcgaca accaacacgt gctctcacaa acccctgact   540
cccgcacttt ccagtgccaa agtcaaacgc tgcttggata aggagagcaa agcttctgga   600
actttatttt ctctntcttt ttaattntct tttaagagac tgggtcttgc tatgttgccc   660
aggctggtct tgaactcctg gcctcaagtg atcctccagt ttccatctcc ctaagactgg   720
gattacaggt gtgagcccgc tgtacccgaa ctttttttgg tttttgcttc ncg           773
```

<210> 3407
<211> 808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(808)
<223> n = A,T,C or G

<400> 3407

```
gnnnnnnnnt ttatttacat tcagntatng nnnttttgnt ntaaatacan ctcttgttct    60
ttttgcaggg acccatcgat tcgaattcgg cacgagggct ctccctgagt gtcgaggagg   120
```

972

```
acatgagtga aatgaccagc gaactcattt tttataggac tcggtgaagc cggattctgc        180
atttccctac ttgtagactc attttgtgga atagagttga tcgctgtctc ctccgcaaag        240
cattttaact cgaataagca aatgccgcct ctgtttgaac gttttggtat ttacaagaga        300
gaatcatttt acctaagaga actaattgaa ttggcagcat ccttgaaata cctccggaca        360
aggatctggg ggtgggggtg gaaaagcaac tgcgaaatag cagacggaga aattcctttg        420
gaagttattc cgtagcataa gagctgaaac ttcagagcaa gttttcattg ggcaaaatgg        480
gggaacaacc tatcttcagc actcgagctc atgtcttcca aattgaccca aacacaaaga        540
agaactgggt acccaccagc aagcatgcag ttactgtgtc ttatttctat gacagcacaa        600
gaaatgtgta taggataatc agtttagatg gctcaaaggc aataataaat agtaccatca        660
ccccaaacat gacatttact aaaacatctc anaagttttg gccagtgggc tgatagcccg        720
ggcnaacacc cgtttatgga ttgggattct tctctgagca tcatctttcg aaanttgcag        780
aaaagtttca gggaatttaa agaagctg                                          808
```

```
        <210> 3408
        <211> 803
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(803)
        <223> n = A,T,C or G

        <400> 3408
tnnnnnttta tttcnttcgt tctngntttt attacatcag ctcttttctt tttgcggtcc         60
ctcgttcgca attcagagac acacataaga aactggaaga agagaaaggc aaaaaggaaa        120
aagaaagaca ggaaattgag aaagaacgga gagaaagaga gagggagcgt gaaagggaac        180
gagaaaggcg agaacgggaa cgagaaaggg aaagagaacg tgaacgagaa aaggagaaag        240
aacgggagcg ggaacgagaa cgggataggg accgtgaccg gacaaaagaa gagaccgaga        300
tcgggatcga gagagagatc gtgaccggga tagagaaagg agctcagatc gtaataagga        360
tcgcagtcga tcaagagaaa aaagcagaga tcgtgaaagg gaacgagagc gggaaagaga        420
gagagagaga gaaccgagag cgagaacgag aacgggagcc gagagagaga gcgagagagg        480
gaaccgggag cgagaaagag aaaaagacaa aaaacgggac ccgagaagaa gatgaagaag        540
atgcatacga accgaaaaaa aaaaaaaaaa aactcgagcc tnttaactat agtgagtcgt        600
attacgtaga tccagacatg ataagataca ttgntgagtt tggacaaccc ccacttgaat        660
gcagtgaaaa aaatgctttn tttgtgaaat tttgngatgc tnttgctttt tttgtaacca        720
ttttttagctt gcaataaaca agtttnccac caaccanttg cnttcatttt nttntttcan        780
gttcaagggg aagttttggg aag                                               803
```

```
        <210> 3409
        <211> 823
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(823)
        <223> n = A,T,C or G

        <400> 3409
tttatataca tcagttcttg ccnttttgnt ngactanagc tcttgncttt atgcaggacc         60
ctcgattcga nttctgnncg agtctctctn tctctctctg tgtctctcgg aactggttcc        120
ctgggctgac cggagccggg agaacaacct ggcctcaggg agagagacgc taccgggctt        180
acgccacccc ctctnctcaa cacaagccca aactgctacc cgcgaggtgc aagtaagcgg        240
cacctcagaa gtgtctgcgg gccctgaccg ggcgcaggtg gtggtgcagt gagcagcacc        300
aaggaggcgg cagccgagcc aaaaagagcg tttgtcgccg tctagattac atcacgcaga        360
```

```
gcctccagca ncagggcgtg cangcagaaa atataactgt gacaaaggat tttaggagag        420
tggaaaatgc ttatcacatg gaagcagagg tctgcattac atttacttga atttggaaaa        480
atgcaaaata tttgtaactt tntttgttga aaagctaaga tagctnttgt tgtcatcagc        540
ccaccccagt tcttatcata ctccagggtt ctggttgana atcttcgacg gcaagcctgt        600
cttgttgctg ttgagaatgc gttggcgcaa actcaaagaa gtcttgtnaa ccttgttggg        660
ccaaacctta ngaaaacctt ttacttaatt cnaaggaaga agnaaacaca aggaattggg        720
gaagggccaa atagatgatt naccnagttc nttccagact tcttcaagtt caattaactt        780
gtncnaccaa aaaaatcaaa agtggcaacn aatncattgc ttn                          823
```

```
        <210> 3410
        <211> 795
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(795)
        <223> n = A,T,C or G

        <400> 3410
catncngttt cnagccnttt tganatacat tcagctactt gttctttttg caggatccca        60
tcgattcgat ttgactaaat cattgtttca caactgaata gtcttgttct tttagtagca        120
atgaaatcct aagctcttga ggccattcac ctgccaacct gaccatactg ctttcaaaag        180
tcttttctca tcagtagaat ctattttggt cacttctagt caatgaaaaa tgtaaacttt        240
taggagagaa tgtttcctag gactcacccca ctccattcaa tgttacatta aaatagtgtg        300
atcaatcaca atgtccatct ttagacagtt ggttaaataa attatctggt ctttgaaaag        360
accgtgctgg gcgcggtggc tcttgcctgt aatcccagca ctttgggagg ctgaggcggg        420
cagatcacct gagatcggga gtttgagacc aagcctgacc aatatggaga aaccctgtct        480
ctactaagaa tacaaaatta gctgggcatg gtggtgcatg cctgtaatcc cactacttgg        540
gaggccgagg caggagaatt gcttgaaccc gggaggcana ggttgcagtg aggtgagata        600
gcgccattgc actccaacct gggcaacaag agcaaaactc tgtctcaaaa aaaaaaaaaa        660
aaaaaaaaac tcgagcctnt aaaactatag tgaggcgtat taccgtagaa tccagacatg        720
ataagataca ttgatgaagt ttggacaaac ccccacctng gaatgcngng naaaaaatgc        780
tttatttgtg naaat                                                         795
```

```
        <210> 3411
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 3411
gnnnnnnntt taaantccat acagtttcaa gnccnttttg aaatncattc agctacttgn        60
tctttttgca ggatcccatc gattcgaatt cggcacgaga gtccacatta aaaagaaaac        120
aaaacaaacc ctaactaact tccaaatggg tctcctggtg cggggcgtg agtggccgtg         180
ccctgggtgt gctgcctgtc tgagcaagct tccctagctg tggaaccccg ggcccctgc         240
tgcgggctct gccttggtgt catgcctgct gcaccccgt ttccactgac gtgccgtctg        300
tggctatggg gtggtcactg gaatgacggt cactccagac gtcagccggc agggatgcan        360
caggctggcc gcgcaccggg gctcgggcac cctctggccc cacactggca atgatgccac        420
accttgccat gtccacgctg ttggtcaaac ccctctgtca tgcctcttta aagagaaaag        480
aagagaaaga tttttttttt taatggcana ccgaaatgga gatcttgtag cctanatagg        540
atagtctgac cttctancat agtctttttg gcaaatgatt tgtgttttca gtgtgtgggg        600
```

```
aanctgtcct gggggctggg gcgacagata gcacataagc tgtttntggg gctgcanggg      660
ctncctgact ggatgttgtg ggtgttgccn gcttnagaat gtggcnacaa aaagcgtana      720
ccggggccag gtntgccgcc tgagctggct cccnaagntg ggttgntcan cgttattt        778
```

```
        <210> 3412
        <211> 869
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(869)
        <223> n = A,T,C or G

        <400> 3412
atttcaaaaa ctcttgcctt nttaaanacc tnncgntact cgatcntnca cgaggaanga      60
ggacctaggc acacacatat ggtggccaca cccaggaggg tagtggngag ttagatttna      120
gagtccaggc cctaggttgg gacccactcc aaataatctc ctcggtgtgg gtggtggttn      180
tatanangga taaatgaata ataaacattn ntaaaatata cgctattcct tgntggaaat      240
gcctgctgca cccccgtttc cantgacntn ccgaangngg ntatnnggtg gtcantggaa      300
tnacagtcaa tccanangtn anccngcngg gntgcatcaa gctgncctcg cacctgggnt      360
nnncaccctc tggcccacac tggtnatgat gccacacctt nccatgttca cnctgtttgg      420
aaaaanncct tttnttttcc tcttttaaag agaaacatt ganaaagatt ttttttttta      480
atgggccgac ccnaaaaggg agatctnccc nccttgtat atnatantnn tgaccctncc      540
tacnaagang gcgttttttgg caaaatnatt nttttntttt tcncgnggtg gtggggggaaa    600
aattttttcct ggggggggcc ttngnngccn aactnttaat tttccccatt aaggcaannt     660
ttctttgggg gncttttcccc ngggggcttaa ncnttaaact ttggaatttt tntngggggtt   720
ggttngnccn taaattttta nnaaaatggt ngtcnaaccc aaaaaaaaat ntnacccccg       780
ggggccnaan antttttncc cccccttgga ngcctttttan tttccccac aaactttttt      ₋840
ttttcccctt ccaaccnctt ttattcttt                                         869
```

```
        <210> 3413
        <211> 807
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(807)
        <223> n = A,T,C or G

        <400> 3413
nttttattta catanagntc ttgcctttttt nnanganata canctacttg ttctttntgc      60
aggancccat cgattcgaat tcggcacgag gccacnanca ggtggggggcc aggacgccnn      120
ggnnctgacc gcctccacta gagggnggtg gccgcgggcc gacctggacc ttnannccnt        180
gtccngacct nccggtgggt gggtgcgccn gggagccngc nacattcctt nttcttganc       240
agccaaanat tggagtncna ttcnncnang nacnttttnt tttttnngat cangagtgtg        300
tncaacgtac nccctgcct nngnaagccc tgantccntn atggagcctc nnagagtggg        360
gagcatattg gggtggggta atgcactnca nccaagnnga atgnacacaa ngggntcgtc        420
naangnnntg nggncnccct naccccttac caccatgtgn ngntngnctc tgtggttgaa        480
catcnnactn gtncgcaaan gganactnac tntaaaaccc tttgnacnan ggtgcnaaac       540
cacagntgtg ncctgncnca nctanccatc naaagaatna caaaaccncn tnaggggcng      600
ngggcnancn ntcncccttg tcncgnccatg tnttggantg gcctttcggc ttaaacagtg       660
aggctcanaa nggncncaac ctgggtgnt aataaaaga acnaattaag anactnttcc         720
ctccnacccc cctttccttg tngccagggg gcancaaact ngattnttga agcccaanat        780
aaaaaaagg cttnatatcn nggaaaa                                            807
```

```
        <210> 3414
        <211> 716
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(716)
        <223> n = A,T,C or G

        <400> 3414
tntcnttcaa atngcttggc tctcgttctt tctgcaggat ccctcgattc ggaaatatag      60
agagatgtgg gatttgaatg cccatgaaag acatttatt ttacttgaat atattcttgc      120
ttcactttac cctccataat atgttgtaca ttagtgctga tcaagtttac agagttacat     180
tttgctttcc taaccattca gtcaggaatt aaaatatggc attgtataac aactgggaag     240
aagctcatag tggatataaa ttagagtaga taatgggtca ccttgatagc ctctgtttac     300
attacttgta tatgggcaaa ataattatta cctatacgtg tatttaagct taattttcat     360
ataaacagta tttttaatct atgttaaaat agataatatc taaaagtgtg atctctaggt     420
agtccttagt ttattagtac tgtacttcaa aaagattttt aaataggtcc ggcacggngg     480
ctcatgcctg taatcccagc actttgggag gctgaggcgg ctgaatcac ctgaggtcag      540
gagttcgaga tcagcctgnc caacatggtg aaaccctgtc tcaactaana atataaaaat     600
tagcccgggc cgtggtggca ggcgcctgta atcccagcta ctcgggaggc tgangcagga     660
gaatcacttg aacccaaggg gcagaanctg canttaagcc aagatcgcat cattgn         716

        <210> 3415
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 3415
tttttaaana aancaggntt cctaatnctt gttntnnnga nacaggctac ttgttctttt      60
tgcaggatcc catcgattcg aattcggcac gagattctct caataatggc cagccgaaaa     120
gtacgcgctg ccaggcatct gcctccgcgg agtcattaaa ctcccacagt ggtcacccca     180
ctgctgatgt acagactttc caggcaaagc gccatattca tcaacaccgt cagtcttact     240
gtaattataa cactggaggt cagttagagg gcaatgcagc cacttcctat cagaagcaga     300
ctgacaaacc cagccactgt agccagtttg tgacacctcc gcggatgagg agacagttct     360
cagcacccaa tctcaaagct ggtcgagaaa ccacagtnta aatcagttac tggacaaact     420
tgaaatcatg gtggaagaaa cagacagtgt tagctcatga tttgatttgg ttctaccttt     480
ggccttgagt tcttattatt tacattataa atattaactg gttttatatt gttaagacaa     540
aacactggta aaagtttcaa cacctccctt ttgcttgtat accataaatg ggcagtttct     600
gaaattttgg ataaagcatc aagaactcct ttttctgaaa cgttcctcct tttttagtgc      660
ctaattaata tacttactta cacggaannn annnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnaaaac tcgnnccttt aaaactatag ggngtcgttt acctaaatcc aann           774

        <210> 3416
        <211> 717
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

<222> (1)...(717)
<223> n = A,T,C or G

<400> 3416
```
tntcattcaa gtnctaangc tggtcttttt gcaggatccc tcgattcgaa ttcggcacga      60
gactgctcct tcattcccaa gaagaaaaga caagtactgc tacttccaaa actcagacac     120
gacttgaagg tgaagtgact cctaattcct tgtcaaccag ctacaagaca gtgtcattgc     180
cattaagctc tccaaacata aagctgaatc tcactagccc taaaaggggt cagaaaagag     240
aagaanggtg gaaagaagtt gtacgaaggt caaagaaatt gtctgttcca gcctcagtgg     300
tgtcgaggat aatgggaaga ggaggatgca acatcactgc aatacaggat gttactggtg     360
cccatattga tgtggataaa canaaagata agaatggcga gagaatgatc acaataaggg     420
gtggcacaga atcaacanga tatgcagctc aactaatcaa tgcactcatt caagatcctg     480
ctaaggaact ggaagacttg attcctaaaa atcatatcan aacacctgcc ancnccaaat     540
caattcatgc taacttctca tctggagtag gtaccacagc agcttccagt aaaaatgcat     600
ttcctttggg tgctccaact cttgtnactt cacangcaac aaccgttatc tacgttccca     660
ncccgctaat aaacttaata agaatgttct tagaaaaaaa atntnaaaan ctcgact       717
```

<210> 3417
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 3417
```
tgtncttttc anttgntagc ncttggctac ttgntctttt tgcaggatcc catcgattcg      60
aattcggcac gagcctgttt ccaggagata tgtgtgncca tcagcagtga taaaantctt     120
gggcaggagt tattgcactg tttgtatgat cnanacccac ctnctctgct ggaaacaagc     180
agcgtgantt gntcacttgc ctttcnnagn cnctattggc cagntgcttg nangngaacg     240
gatccacaga acctcacagc tatttatgat ancatctgct nnattatntc aagttcancn     300
tgtntnnacn tgctgntnna ggtaanngnn gttntnntca agntntttgc aangngatga     360
caaactaatg tttgaatnng tcatgataan ggggcntctn atactctgga ncatcnccaa     420
nctgantnng aagagctgcc ngnntatctg ntagtgncct gctncttgaa attnccaaac     480
anntgccntg ntggaaattc atnatggctg gatgtttang ngnacatttt ncaantnctt     540
antnnncang atgatggaat tcnnncnatc naacatnctn tncgctngnt anacttnnna     600
ttnactnann gnctntnntg cnatnattng ncnctctgtg atcatccatc atnatctang     660
cntcaagtnn ctaacctngn ttngaagttg tngcaccann ttnt                     704
```

<210> 3418
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(708)
<223> n = A,T,C or G

<400> 3418
```
tntncttnaa atcatngctc ttgttctttt gcaggatccc tcgattcgaa ttcggcacga      60
gagagggtgg ggtctggcca cataggtacc tctgtggctc tggtctgggg ttagacactg     120
ttagggacta gcatttattg gacttgtaaa gacagcacct cagaattagt aactacttgc     180
attttagggt ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcatcttttc     240
```

```
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc anaatgaacc    300
atgaatactt aagaaaggga aagtaggaac agggagcaga gcaaagcata acttgctgtg    360
ttccagggat ttaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca    420
ggaacttttt gtaaatgaaa aagttcacaa tttggaaaaa acagtgctag atgtgttatg    480
gaaattgtta tcacaaatta ttccactgaa actcaagtat ataagacaac aatatattgc    540
tgtgaaatct taattttgac atatggaagg gtaccaaaaa taagaaccat cctttttgct    600
tgaantgcac ggtggtacca atttctaaaa tangaaacat tangcaaaaa aaanattnnc    660
ttttnngctt naaantanaa aaanctngnn ccttttaaac tttngngg               708
```

```
        <210> 3419
        <211> 708
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(708)
        <223> n = A,T,C or G

        <400> 3419
tntncttnaa atcatngctc ttgttctttt gcaggatccc tcgattcgaa ttcggcacga    60
gagagggtgg ggtctggcca cataggtacc tctgtggctc tggtctgggg ttagacactg    120
ttagggacta gcatttattg gacttgtaaa dacagcacct cagaattagt aactacttgc    180
attttagggt ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcatcttttc    240
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc anaatgaacc    300
atgaatactt aagaaaggga aagtaggaac agggagcaga gcaaagcata acttgctgtg    360
ttccagggat ttaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca    420
ggaacttttt gtaaatgaaa aagttcacaa tttggaaaaa acagtgctag atgtgttatg    480
gaaattgtta tcacaaatta ttccactgaa actcaagtat ataagacaac aatatattgc    540
tgtgaaatct taattttgac atatggaagg gtaccaaaaa taagaaccat cctttttgct    600
tgaantgcac ggtggtacca atttctaaaa tangaaacat tangcaaaaa aaanattnnc    660
ttttnngctt naaantanaa aaanctngnn ccttttaaac tttngngg               708
```

```
        <210> 3420
        <211> 717
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(717)
        <223> n = A,T,C or G

        <400> 3420
tntcattcaa gtnctaangc tggtcttttt gcaggatccc tcgattcgaa ttcggcacga    60
gactgctcct tcattcccaa gaagaaaaga caagtactgc tacttccaaa actcagacac    120
gacttgaagg tgaagtgact cctaattcct tgtcaaccag ctacaagaca gtgtcattgc    180
cattaagctc tccaaacata aagctgaatc tcactagccc taaaaggggt cagaaaagag    240
aagaanggtg gaaagaagtt gtacgaaggt caaagaaatt gtctgttcca gcctcagtgg    300
tgtcgaggat aatgggaaga ggaggatgca acatcactgc aatacaggat gttactggtg    360
cccatattga tgtggataaa canaaagata agaatggcga gagaatgatc acaataaggg    420
gtggcacaga atcaacanga tatgcagctc aactaatcaa tgcactcatt caagatcctg    480
ctaaggaact ggaagacttg attcctaaaa atcatatcan aacacctgcc ancnccaaat    540
caattcatgc taacttctca tctggagtag gtaccacagc agcttccagt aaaaatgcat    600
ttcctttggg tgctccaact cttgtnactt cacangcaac aaccgttatc tacgttccca    660
ncccgctaat aaacttaata agaatgttct tagaaaaaaa atntnaaaan ctcgact      717
```

978

```
<210> 3421
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3421
tcttccattt naagcccttt gctacttgtt cttttttgcag gatcccatcg attcgaattc      60
ggcacgagag agggtggggt ctggccacat aggtacctnt gtggctctgg tctggggtta     120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac     180
tacttgcatt ttanggtctg ttttatgaan ccaacaagtg aatgtaaaat aggctctgca     240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcng ctctgtcaca     300
atgaaccatg aatacttaag aaagggaaag taggaacang gagcatagcn aagcataact     360
tgctgtgttc canggattta aaaataaatt actgtcnaga gcaatataag ggtcatgggt     420
ttgatcagga acttttttgta aatgaaaaag ttcacaactt ggaaaaaaca gtgctagatg     480
tgttatggaa attgttatca caaattattc cactgaaact caagtatnta anacaacaat     540
atatcgctgt gaaatnttaa ttttgacata tggaaangtn accnaaaaat tttgaaccca     600
taccttnttg gcttnaaatt gcanggtggg tacccnattt nttaaaaatn annanacctt     660
tnnnnccaaa aatnacttna tnctacaaaa aattttccnc ggnccatggt taanaacctt     720
gnncnccttt ttnaaacttt tac                                            743
```

```
<210> 3422
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 3422
tcntcgtttn natncttgga aatttgnana tngctaggct actngntctt tttgcaggna      60
tcccatcgat tcgaattcgg cacgagcctt ccacggttat ttcacagata tggagagctg     120
gaagcaggga gtgagtctct gagtgttgga attgtaaggg atcagaagca gggatcagaa     180
gcagtggtga agttcatcca ccataaaaca cacaggtgac tttgccttga atctgcagga     240
ctgaagccaa ctcttgggca cagacccttga gtcccttcct tggccactct aagtcagata     300
gtccagagcc aggccctttg ggatgtgaca ccgagataaa tcatagaaaa gctgtgaagc     360
ttggggaaca gagggacttt tggtgaagta ggtggtctgc agtttctatc ttcttgggaa     420
aagcaagctg gaaaagtgaa cagtggttgg taggccatag tgctcccagc tgggtgacat     480
aatgaccaca cagcacagtg atgttattag caactgtgtg gnggantant tgtgggctgg     540
acaaatcaat cgtgtggaaa ttgttaggag tnttattaca ttaaacttgt taacctaaaa     600
taccatnnaa aaatanaatc ngnnntaaaa cnancntata nggatgtnan aanaactcga     660
gcttctaaaa ctntagngga gcctttgtta cgtanatccn ngacatgnnt aagatacatt     720
ggtnagtttt ggacaant                                                  738
```

```
<210> 3423
<211> 774
<212> DNA
<213> Homo sapiens

<220>
```

```
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 3423
ctnntttntt ttngaancct tngctcttgt tcttttttgcg gatcccatcg attcgtgaag        60
aggagacggt gacctgggct ccttatgtgc ctgaaagagt ttgagtttcc tgttaactcc       120
aaatcaacag tattttcaac aagaaatgtg caattgaaat caagtgctgt ttaagtgcag       180
ctaggatttc cacaggaaga cacttgcagt gaacagagtt atggagcagc aaaaacacag       240
atctatttgg aaaaagagaa aacatatgcg ttgtattttg cttcaattat aaaataccat       300
cctctcaaag gtggttctaa attacaaagg actttgattt ctaggtagat tctgggtaga       360
gacttccttt catattgagg cattaatgac acctttttaac ctgggaagca atatgactgg       420
agttgtactt tgagaagatt aatcaggttt ggttgcagaa tgaaagagaa gatgaagtca       480
agagattggt ttagaggctc tagcagaagc ttagtcatat ttcaaaatga tcaaatatca       540
agaaaaattc tgagctgcat aacttgtata aagtaatttt cagtgatttt ttcatggtta       600
tgatnaaaga actggattta nccagaaacc tttacctgga ttcaagattt aatttttcct       660
ttgagcctca tccttaaagg atttttcggga aaacattaag gggagccaaa nccnattggn       720
tggttgggcn tgccctnnaa ttgcctttgg acttttttaa ccgggctttt gnnn            774

        <210> 3424
        <211> 796
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(796)
        <223> n = A,T,C or G

        <400> 3424
gccnccccnn tttngntctc aacttgtacc ctttttgcan nancncgnnc tncttgcagg        60
ntcccatcga ttcgaattcg ccacgangtt atattaaatt attctttgtt tttctttttc       120
ttttaataaa gcctgcaagt tactaaattg tagtttcata aattctgtag taaagtatca       180
tcttggcagt gtgccaaagg tgaaaatgat gctttctcta acagagaaat tcttagtgac       240
tccagtcgta gaaaaacgtc tttacaacct gaataagatt gaagaattgt gaacatacca       300
tggcctattg gatgaatcat ttgccgtagg ctaaatcaga ctgtagggtt tgtgatggat       360
ttatggagta tgtgggtata gaaatcatga atctagcatt tgttttcaga gattcaagca       420
tagtcttaag ggtanatcag aaatgacaaa tgaattcaaa acctagcagg tgcattgtna       480
atgtgtgccc agttntgttt tggaaatggc agttccttgg ggtcatgttt ctactggcaa       540
aatttgcaat antgtnctat tgtntgtaat ttcaaaattt ataagattat cccccgttcg       600
cccaagtaaa acctgtnctg cccaatanaa tcctggantc gnngagaaat cgcntccatt       660
cgnngntcaa ctcgggatnc ntcgncttaa naaaatnttn tccnggancc ccntcatnan       720
gaanaacacc anactattnn gggnacctgn aangctcaat ngcccnngcc ncnnangncn       780
nttttccngg naannn                                                       796

        <210> 3425
        <211> 736
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(736)
        <223> n = A,T,C or G

        <400> 3425
```

```
ctacttgttc tntntgcagg atcccatcga ttcgaattcg gcacgangtc actctgtcac      60
ccaggctgga gtgcagtggt gtgatcatag ctcactgcag cctctacctc ctgacacaag     120
ctgtcatccc gctttggctt ctcaaagtgc taggattata ggcgtgagcc accatgcccg     180
accagtttct gctttattta aaattgttca cagtttata cattcatgtt cattaaaaat      240
gctatttaga aaagagtttg ataaaataaa tattatacaa aattcgaaga aaaaagaaaa     300
gagtttctgt ttcagtcaca aattagggtt attgtgatgt gtatttatga tgaccattga     360
acaaatgtga agaatactgn gaattctatg actttatcaa aatcagccac atcncaggag     420
cttgcagttg ttgaccaaat gaatgatgac atagagtagn tcagatctat catgtgctct     480
tctatctaat cagtccaata tttccttggn cctcaagcca acattcattt tttatgtata     540
acccttcttc atgattntna aatnttgata gggtaaactg ctaatgagtt tcacaaatgt     600
agcacttta aaaggaaaaa tnnnatggan agtgaaaaca acttgcctac ctataattgt      660
gggtctctaa tctttctggt tttaaaaann aaaantggca ttgctaggtt tcnnaancan     720
aaaaannaaa aacnct                                                      736
```

```
        <210> 3426
        <211> 736
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(736)
        <223> n = A,T,C or G

        <400> 3426
```

```
        <210> 3427
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 3427
```

```
tnntntnntt nantngaacc ctttnctctt gctctttttg caggatccct cgattcgaat      60
tcggcacgag cacaaggaga agaagttaat taacattgaa ngatgagaag acatcttgga     120
agaacttgaa ttgggccttg gaagaagaac agccattcaa atagatagaa ttgtggtagc     180
aaaggcatag aggtaggaaa gtatagatct ccaggacag tagtcatggg gttggggcac      240
tgttggaatt taaggttgga aggatatatt ggagcccctt gaatacggta acaaggcaca     300
ccttgggcag tggagagtta tcagagtgtt tgaaaaggag ggttattgag taaataaata     360
```

```
gactggtact ttaggaattt taaaatgtgg atcattgtac tactaataac tatttatttt    420
atatttacta tctactaagt aatttacatg tattttcttg tactgactgt aaaccttctg    480
ggtgtgggtg ttttaagtgc cattttactg atnaagaaac tgaggcttaa atagttgaaa    540
taagtcaccc tgttagtgag tggccagaat gacaagtcag atctanggtt tgtctaactn    600
ccaaagatna tataaaaata atggatctct ccttttccct tatgcataaa atatggggag    660
cntttttaaa tcattaccca tncgattgnc caaaaaaata ccttttnggga aaactgatta    720
ttantattcc anaataaatt tcaacggcct gcntngnctn ctttacaact ttnt          774
```

```
        <210> 3428
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 3428
aaacantttg ctcttgttct ttttgcaagg atcccatcga ttcggccaac ttcaattccc     60
ttttagtcat ctacttccta ctaacagctg taactaggat gagtcaaaat caattgccta    120
tgctcaccag atccctgata aattcccatg aagccacctg aaaggtggta aaagcaaggt    180
aaaacgtggt gaaagcaagg taaagaaggt agatttcaca attttgtttt ttaaaaaggg    240
gaatcttccc tgaattcttt gaggtactaa gtacgtggtt taatgcatat tttcattctt    300
gttagcagtt taaaaataat gtttcagaga ctgtattcac gattgctaaa aagcattttt    360
tctactaatc attgttcatg ggacttaaca atggaagata actgggaaag cagtaaatat    420
aggaaaccac taatagtgtc tccttcttcc taccctgacc ctctctttgg cttcagaaag    480
tgacgaggaa aatgtatctt tcacaaagaa aagttatacc acagaangta ctaaaaagca    540
acaactgcct ttggggacag gaaacttaca gagggattaa ttatagaggg ataacatacc    600
gagtttctat ttcaataaga gggaaattgg tttatattct gttcacactt gtttcaaaac    660
cctctcctct aaaagcatgt gttttttgga attcaaggaa tgtaccgttc tttccccaac    720
ccttaaactg gggggtcann                                                 740
```

```
        <210> 3429
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3429
tcttccattt naagcccttt gctacttgtt ctttttgcag gatcccatcg attcgaattc     60
ggcacgagag agggtggggt ctggccacat aggtacctnt gtggctctgg tctggggtta    120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac    180
tacttgcatt ttanggtctg ttttatgaan ccaacaagtg aatgtaaaat aggctctgca    240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcng ctctgtcaca    300
atgaaccatg aatacttaag aaagggaaag taggaacang gagcatagcn aagcataact    360
tgctgtgttc canggattta aaataaatt actgtcnaga gcaatataag ggtcatggt     420
ttgatcagga actttttgta aatgaaaaag ttcacaactt ggaaaaaaca gtgctagatg    480
tgttatggaa attgttatca caaattattc cactgaaact caagtatnta anacaacaat    540
atatcgctgt gaaatnttaa ttttgacata tggaaangtn accnaaaaat tttgaaccca    600
tacctntttg gcttnaaatt gcanggtggg tacccnattt nttaaaaatn annanacctt    660
tnnnnccaaa aatnacttna tnctacaaaa aattttccnc ggnccatggt taanaacctt    720
```

gnncnccttt ttnaaacttt tac   743

```
          <210> 3430
          <211> 776
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(776)
          <223> n = A,T,C or G

          <400> 3430
tgtcctttna attctaatgc ttggctactc gntctntttg cangatccca tcnattcgan      60
tncggcacga gggcagggc ccttanagtc ttggttgcca aacagatttg cagatcaagg      120
anaacccagg ngtttcaaag aagcgctagt aangtntctg agatcctngc nctagctnca     180
tnctnagggt aggangaana tggctnncnn aancatgcgn gtgctcctat tgctganctn     240
nctgnccaaa ncatgagtcc tgggtgatat catcatgaga cccacatgtg ctcctgnatg     300
ganttaccac tacttcaaat gctatgagta ctntcagaaa ctntngaact ggtctgatgc     360
ccntgntann naacttnntn nctgnttggc ctnncctntc tagatcaang gancngcnnt     420
aatcccnaan ttcatntgan tnaagatcan nngttcctgc tnggcacctt tcnagnataa     480
tcccctttn gcttgntnaa acggaantnn anaaggngtg tntnnttcna atcttattan      540
aattcttgtn attncatttg ctataatccc tggagcctgg atttcctgga anccgtaaaa     600
cngggcttct aagcacctta cncnnttcca tccttgaaag nanccccgt nnncatncan      660
tnagnctnct anttntaant cntattggag accctnaana ttccntttac atcaaanggn     720
nggtataana atntttcngg natttncag ganctgngta aaattnttat tntacc          776
```

```
          <210> 3431
          <211> 731
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(731)
          <223> n = A,T,C or G

          <400> 3431
tnagtttgaa tgcttngant tgctaatagc ttggctactc gttctttntg caggnatccc     60
atcgattcga attcggcacg agcagtggct ggataaaagg atgtgtggga aagaactgag     120
ttgaaattag gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa     180
ttagggctga cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac     240
aggtgccaga caccagttaa aaagctgtta ttttctaagc agtagacaaa ggtttacact     300
gacaatagct gtggagatag agaaaagctg cgagatttca gagtttccca aggtgtaaac     360
aactaaattt tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct     420
gtcttggttg agttggtgga ttaactgaga ttaacanagc tggaggaaat gtaaaaagaa     480
aggcaggatt gttcattttg tcttttgttt gttttgggga acagggtcaa aatttttcatt    540
ctgcataagg taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat     600
cttggaagaa angcaaccat agtaatattt ttgagttnct actgnttatt ttttcaataa     660
aaaactcagg ttctcaagtt tancagattc atnggtctta ggaaaggtag ctgttnaacc     720
aaaatantaa t                                                           731
```

```
          <210> 3432
          <211> 731
          <212> DNA
          <213> Homo sapiens
```

                                    983

```
        <220>
        <221> misc_feature
        <222> (1)...(731)
        <223> n = A,T,C or G

        <400> 3432
tnagtttgaa tgcttngant tgctaatagc ttggctactc gttctttntg caggnatccc       60
atcgattcga attcggcacg agcagtggct ggataaaagg atgtgtggga aagaactgag      120
ttgaaattag gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa     180
ttagggctga cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac      240
aggtgccaga caccagttaa aaagctgtta ttttctaagc agtagacaaa ggtttacact      300
gacaatagct gtggagatag agaaaagctg cgagatttca gagtttccca aggtgtaaac      360
aactaaattt tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct      420
gtcttggttg agttggtgga ttaactgaga ttaacanagc tggaggaaat gtaaaagaa       480
aggcaggatt gttcattttg tcttttgttt gttttgggga acagggtcaa aattttcatt      540
ctgcataagg taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat      600
cttggaagaa angcaaccat agtaatattt ttgagttnct actgnttatt ttttcaataa      660
aaaactcagg ttctcaagtt tancagattc atnggtctta ggaaaggtag ctgttnaacc      720
aaaatantaa t                                                          731

        <210> 3433
        <211> 731
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(731)
        <223> n = A,T,C or G

        <400> 3433
tnagtttgaa tgcttngant tgctaatagc ttggctactc gttctttntg caggnatccc       60
atcgattcga attcggcacg agcagtggct ggataaaagg atgtgtggga aagaactgag      120
ttgaaattag gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa     180
ttagggctga cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac      240
aggtgccaga caccagttaa aaagctgtta ttttctaagc agtagacaaa ggtttacact      300
gacaatagct gtggagatag agaaaagctg cgagatttca gagtttccca aggtgtaaac      360
aactaaattt tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct      420
gtcttggttg agttggtgga ttaactgaga ttaacanagc tggaggaaat gtaaaagaa       480
aggcaggatt gttcattttg tcttttgttt gttttgggga acagggtcaa aattttcatt      540
ctgcataagg taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat      600
cttggaagaa angcaaccat agtaatattt ttgagttnct actgnttatt ttttcaataa      660
aaaactcagg ttctcaagtt tancagattc atnggtctta ggaaaggtag ctgttnaacc      720
aaaatantaa t                                                          731

        <210> 3434
        <211> 712
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(712)
        <223> n = A,T,C or G

        <400> 3434
```

984

```
tctccttgaa attgcttatn gctaggctac ttgttctttt tgcaggatcc catcgattcg    60
aattcggcac gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag   120
gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga   180
cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga   240
caccagttaa aaagctgtta ttttctaagc agtanacaaa ggtttacact gacaatagct   300
gtggagatag agaaaagctg cgagatttca gagttttcca aggtgtaaac aactaaattt   360
tgtgatcaaa atgataaggg ccatctaata agctgggaa tgtgggatct gtcttggttg   420
anttggtgga ttaactgaga ttaacagagc tggaggaaat gtaaaaagaa aggcaggatt   480
gttcattttg tcttttgttt gttntgggga acagggtcaa aattttcatt ctgcataagg   540
taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat cttggaagaa   600
aggctccata gtnatatttt tgagttncta ctgnttattt ttcaataaaa actcangttc   660
tcangttagc anatcatggt cttaggaagg tagctgnana accaaaatat at           712
```

        <210> 3435
        <211> 712
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(712)
        <223> n = A,T,C or G

        <400> 3435

        <210> 3436
        <211> 717
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(717)
        <223> n = A,T,C or G

        <400> 3436

```
tntcattcaa gtnctaangc tggtcttttt gcaggatccc tcgattcgaa ttcggcacga    60
gactgctcct tcattcccaa gaagaaaaga caagtactgc tacttccaaa actcagacac   120
gacttgaagg tgaagtgact cctaattcct tgtcaaccag ctacaagaca gtgtcattgc   180
cattaagctc tccaaacata aagctgaatc tcactagccc taaaaggggt cagaaaagag   240
aagaanggtg gaaagaagtt gtacgaaggt caaagaaatt gtctgttcca gcctcagtgg   300
tgtcgaggat aatgggaaga ggaggatgca acatcactgc aatacaggat gttactggtg   360
cccatattga tgtggataaa canaaagata agaatggcga gagaatgatc acaataaggg   420
gtggcacaga atcaacanga tatgcagctc aactaatcaa tgcactcatt caagatcctg   480
```

```
ctaaggaact ggaagacttg attcctaaaa atcatatcan aacacctgcc ancnccaaat    540
caattcatgc taacttctca tctggagtag gtaccacagc agcttccagt aaaaatgcat    600
ttcctttggg tgctccaact cttgtnactt cacangcaac aaccgttatc tacgttccca    660
ncccgctaat aaacttaata agaatgttct tagaaaaaaa atntnaaaan ctcgact       717
```

        <210> 3437
        <211> 722
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(722)
        <223> n = A,T,C or G

        <400> 3437

```
gngtcatnct ttnaantttc taatngctng gctacttgtt cttttttgcag gatcccatcg    60
attcgctggt tttgattggt cagattcttt tttcactagc ggcggttttt cttttatgtc   120
ttgttataaa gaagtatctc attggaccct attatcggaa gctgcacatg gaaagcaagg   180
ggaacaaaga aatcctgatc ttgggaatat ctgcctttat cttcttaatg ttaacggtca   240
cggagctgct ggacgtctcc atggagctgg gctgtttcct ggctggagcg ctcgtctcct   300
ctcagggccc cgtggtcacc gaggagatcg ccacctccat cgaacccatc cgcgacttcc   360
tggccatcgt tttcttcgcc tccatagttt ctcctggcgg cgctggtcct gtctctcatt   420
ctgccgagga gcagccagta catcaagtgg atcgtctctg cggggcttgc ccaggtcagc   480
gagtttttcct ttgtcctggg gagccgggcg cgaagagcgg gcgtcatctc tcgggaggtg   540
tacctcctta tactgagtgt gaccacgctc agcctcttgc tcgccccggt gctgtggaga   600
gctgcaatca cgaagtgtgt gcccagaccg gaanagacgg tccagcctct gatggctcgg   660
agatgatgga ccgtggaaag ggaaccntct gtggggagtg aaccgcttaa natggccagc   720
at                                                                   722
```

        <210> 3438
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3438

```
tnnttntcca cttggaaccc cttttnngaa ancccgcagg natcccatcg attcgctctg    60
ggagtagctg ggattacagg catgcaccac catgcctggc taatttttnta tactctagta   120
ntagacaggg tttcgcccat gttggtcagg ctggtctcaa actctngacc tcaggtgatt   180
cacccacctn agcttcccaa agtgctggga ttataggcgc gagccaccat ggctcancct   240
catgttcgtt tttaaaactt aggatggtgg ctcttntaca ttgattggca ggaactcttc   300
atattacgag gcacttagct agntgnctgt gaaatanaat actaatgatt gaactttcta   360
ggaagtgcct attctgctaa tagtgnaaat atacacttat ccagggtcag naatactnna   420
gtntacccac ttaaangatc tagacataca tgaacttggg cttacttgcc cgttanaatt   480
gcatatctta naatagtcca tcaccttact taangnagat atgcntngat tatccngatt   540
actcnntaac atagcctctc nccttancgt tctcacctga atgtantacc tggacctctn   600
caagtcnanc agaggccnat aataaaagtt canaagttta nncnnnacac ccctctcccc   660
ccncccanta ncccaanccc ctcccannac cccctctccc ncccacncct cacctcnnna   720
tccncccacc ccactcnncn nncanncctt cccccccacc cccnncnct acncctccnt   780
cccatcncg                                                            789
```

<210> 3439
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 3439

```
ancctttnaa attccntngc cntaggctac ttgttctttt tgcaggatcc catcgattcg     60
gctgcacagt gggaagggca ctgggctgga agccctaccc atgtcaggga atgtctgggc    120
ctcagatttt tattttctag aatgaagata cttacccccc aattgctgag atatttgaat    180
aaaagtatat gtgaaggatt ttgtaattat agaatgtcct acaaatatga gtagttcgtt    240
tgctactttt ttggcgaaga aaaatattgg gatgcatgaa taatatctac ctaaggtacc    300
taaggttgta ttcatcccat ttattgaatg ccaaggatat accagctact gctccagatg    360
ttgtattcag ggaacagaag aagagtccct gtgcccatgg agctaacagc attctagggg    420
aggaaagatg ggtcagctga ctttcacgat ctcaggtact gatgaagatt gtgaagatta    480
ttacatcang tgaatgtang ggtgatttag agaaagctgg tagctaggct gttcaaggaa    540
gggcctctgt ganaaagggg atggntggct ggntgtggtg gttcacgcct atnatcccag    600
cactttggga ggttgggagt ttgagaccag cctgaccagc atgganaaac cccgtctcta    660
ctaaaaatac aaaattagcc cggcatggtg gcacatgcct gtaatccagc tcc           713
```

<210> 3440
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = A,T,C or G

<400> 3440

```
ancctttnaa attccntngc cntaggctac ttgttctttt tgcaggatcc catcgattcg     60
gctgcacagt gggaagggca ctgggctgga agccctaccc atgtcaggga atgtctgggc    120
ctcagatttt tattttctag aatgaagata cttacccccc aattgctgag atatttgaat    180
aaaagtatat gtgaaggatt ttgtaattat agaatgtcct acaaatatga gtagttcgtt    240
tgctactttt ttggcgaaga aaaatattgg gatgcatgaa taatatctac ctaaggtacc    300
taaggttgta ttcatcccat ttattgaatg ccaaggatat accagctact gctccagatg    360
ttgtattcag ggaacagaag aagagtccct gtgcccatgg agctaacagc attctagggg    420
aggaaagatg ggtcagctga ctttcacgat ctcaggtact gatgaagatt gtgaagatta    480
ttacatcang tgaatgtang ggtgatttag agaaagctgg tagctaggct gttcaaggaa    540
gggcctctgt ganaaagggg atggntggct ggntgtggtg gttcacgcct atnatcccag    600
cactttggga ggttgggagt ttgagaccag cctgaccagc atgganaaac cccgtctcta    660
ctaaaaatac aaaattagcc cggcatggtg gcacatgcct gtaatccagc tcc           713
```

<210> 3441
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)

987

<223> n = A,T,C or G

<400> 3441

```
cttgcctttg aaaancgttg gctactngtt cttttttgcag gatcccatcg attcgaattc      60
ggcacgaggc ggcgctgacc cggccggccc cacacccgct cttcctcttc tttgccgcgg     120
actccctttc ctgcctccaa gacctggtgt ctcccactgt gagcccagct gtcccacagg     180
cagtccccat ggacctagac tcaccttccc cttgcctcta tgaacctctg ctgggcccag     240
cccctgtccc agctcccgac ctgcacttcc tgctggactc aggcctccag ctccctgccc     300
agcgagcggc ctcagccacc gcctcccctt tcttccgggc cctgctgtca ggcagctttg     360
cagaagccca gatggacctg gtgcccctgc gaggtctgtc gcctggtgca gcctggcctg     420
tcctgcatca tttgcatggt tgtcgggggt gtggggctgn nntggggccc gtgcccacac     480
cangcnancc cctgtatggg atcanaggcn cgaagangca ntgnangctg ntggcanntn     540
aantactgnc tgggctggaa nangaactnn taaaagtcnt ngcccnnatc caccttggna     600
cccnannttn nnccnntant cnnngggntn angtggtnnn nnctnnggac agntcnntnt     660
ggnntgncna tngnncnnat gnanacttgg ggttcannaa ncntttccnn atgnaancng     720
ngtc                                                                724
```

<210> 3442
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 3442

```
gttcaatnnt tgaaatttna nntcgctagg ctactngttc tttttgcagg atcccatcga      60
ttcgaattcg gcacgagcct tccacggtta tttcacagat atggagagct ggaagcaggg     120
agtgagtctc tgagtgttgg aattgtaagg gatcagaagc agggatcaga agcagtggtg     180
aagttcatcc accataaaac acacaggtga ctttgccttg aatctgcagg actgaagcca     240
actcttgggc acagacccct agtcccttcc ttggccactc taagtcagat agtccagagc     300
caggcccttt gggatgtgac accgagataa atcagagaaa agctgtgaag cttggggaac     360
agagggactt ttggtgaagt aggtggtctg cagtttctat cttcttggga aaagcnagct     420
ggaaaagtga acagtggttg gtaggccata gtgctcccag ctgggtgaca taatgaccac     480
acagcacagt gatgttatta gcaactgtgt ggtggagtag ttgtgggctg gacaaatcaa     540
tcgtgtggaa attgttagga gttttattac attaaacttg ttaacctaaa ataccatcaa     600
aaaanaaaan nttnatgntt nnacntacnt gtnatnntan aaaaaaaaac nttgagccct     660
ttaaaaccta ttanngngtc ctttttaccn taaaatccan accttnntta agaatncatt     720
tggattgaat ttttggncct                                                740
```

<210> 3443
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 3443

```
gttcaatnnt tgaaatttna nntcgctagg ctactngttc tttttgcagg atcccatcga      60
ttcgaattcg gcacgagcct tccacggtta tttcacagat atggagagct ggaagcaggg     120
agtgagtctc tgagtgttgg aattgtaagg gatcagaagc agggatcaga agcagtggtg     180
```

```
aagttcatcc accataaaac acacaggtga ctttgccttg aatctgcagg actgaagcca    240
actcttgggc acagaccctt agtcccttcc ttggccactc taagtcagat agtccagagc    300
caggcccttt gggatgtgac accgagataa atcagagaaa agctgtgaag cttggggaac    360
agagggactt ttggtgaagt aggtggtctg cagtttctat cttcttggga aaagcnagct    420
ggaaaagtga acagtggttg gtaggccata gtgctcccag ctgggtgaca taatgaccac    480
acagcacagt gatgttatta gcaactgtgt ggtggagtag ttgtgggctg acaaatcaa     540
tcgtgtggaa attgttagga gttttattac attaaacttg ttaacctaaa ataccatcaa    600
aaaanaaaan nttnatgntt nnacntacnt gtnatnntan aaaaaaaaac nttgagccct     660
ttaaaaccta ttanngngtc ctttttaccn taaaatccan accttnntta agaatncatt     720
tggattgaat ttttggncct                                                 740
```

```
        <210> 3444
        <211> 738
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(738)
        <223> n = A,T,C or G

        <400> 3444
tcntcgtttn natncttgga aatttgnana tngctaggct actngntctt tttgcaggna     60
tcccatcgat tcgaattcgg cacgagcctt ccacggttat ttcacagata tggagagctg    120
gaagcaggga gtgagtctct gagtgttgga attgtaaggg atcagaagca gggatcagaa    180
gcagtggtga agttcatcca ccataaaaca cacaggtgac tttgccttga atctgcagga    240
ctgaagccaa ctcttgggca cagaccctta gtcccttcct tggccactct aagtcagata    300
gtccagagcc aggccctttg ggatgtgaca ccgagataaa tcatagaaaa gctgtgaagc    360
ttggggaaca gagggacttt tggtgaagta ggtggtctgc agtttctatc ttcttgggaa    420
aagcaagctg aaaagtgaa cagtggttgg taggccatag tgctcccagc tgggtgacat     480
aatgaccaca cagcacagtg atgttattag caactgtgtg gnggantant tgtgggctgg    540
acaaatcaat cgtgtggaaa ttgttaggag tnttattaca ttaaacttgt taacctaaaa    600
taccatnnaa aaatanaatc ngnnntaaaa cnancntata nggatgtnan aanaactcga    660
gcttctaaaa ctntagngga gcctttgtta cgtanatccn ngacatgnnt aagatacatt    720
ggtnagtttt ggacaant                                                   738
```

```
        <210> 3445
        <211> 712
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(712)
        <223> n = A,T,C or G

        <400> 3445
tctccttgaa attgcttatn gctaggctac ttgttctttt tgcaggatcc catcgattcg     60
aattcggcac gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag    120
gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga    180
cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga    240
caccagttaa aaagctgtta ttttctaagc agtanacaaa ggtttacact gacaatagct    300
gtggagatag agaaaagctg cgagatttca gagttttcca aggtgtaaac aactaaattt    360
tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct gtcttggttg    420
anttggtgga ttaactgaga ttaacagagc tggaggaaat gtaaaaagaa aggcaggatt    480
gttcattttg tcttttgttt gttntgggga acagggtcaa aattttcatt ctgcataagg    540
```

```
taggtttagt cttttttcaaa acattctagt aggcaagtct gtagctgaat cttggaagaa    600
aggctccata gtnatatttt tgagttncta ctgnttattt ttcaataaaa actcangttc    660
tcangttagc anatcatggt cttaggaagg tagctgnana accaaaatat at            712
```

```
        <210> 3446
        <211> 836
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(836)
        <223> n = A,T,C or G

        <400> 3446
ggagggatga aaatgagccc tgggagggag gaagggacga ggaggggtgg ctgcatgtta     60
ccgtccncta cctctcccac gtggagggtg gagcagttat gagggaggaa gtcaactgct    120
gttcagcctc agaataaagg tgccgttcac tggctcagtt acctcctgtg taccggcatc    180
ttgtgttggg aatgttcccc cctncctagg gaccaaggan caccctaca  aaaanagtaa    240
ntggttgggt gatactccct taagccaaan aggagctacc caacctgttc ttagggaccc    300
angttaccta caagggtggg agagaattca atgggcccag atgttggtgg aagccccatc    360
tctgggcctc angtttcttg gaanacttat actatcccta ccctcctnaa ngcctgnatc    420
agactaaaat ntgtataant canngcntgg gaccctantc nanggtcttg ggaagctncc    480
ctnnccnntt ngggtnccna nnagcnaaca ttnntcncaa gggcnccnct tatnggnaaa    540
antgtnggnn cacattcccc ccttctccaa aggaangngg ccncgnatta acaatnngct    600
annctttttcg ccattggctn aaaanccct ccccacattt ccatnatttc angnttgngc    660
nncattatct attnctttat antgnnntgg tanncncttn ttnnactcaa agnnnatcnc    720
ttacctttca cnatcccnca attttncntg gctccanctg tgnnccnttt nganancctc    780
nncctncttn cttncaggga ntnttanang ntnatctaaa tntgnggcnc atannt        836
```

```
        <210> 3447
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G

        <400> 3447
cttacnttng ctctcgttct ttttgcaggn tccctcgatt cgaattcggc acgagttcag     60
ggttggtggg tctgtggacc ttgagctagt ttttaatcaa catggaaact ccagtgatct    120
atttaaaaac ttgcattggg tcatgccagg tttattggag gttataccct ccaatgtatt    180
tccaactcag ggttaaagcc aaggtcctta tggtggaaga tggggcatat aaactggcat    240
tctggcgctc acacactcca atatctacta ctctcccctc ttgctcgctc agctgtggct    300
tgcttattca gcttttttgct cttcctggaa tacatcaaac atatgtaggc ccagggtttt    360
aaccatttta acaactgaac ttgtaactgc actagttctc caggtaagca gaagtattag    420
ggttatggac agtttatccg aagtaataac caggaatgcc taataaaaac atgcangtat    480
tgtggtaaaa aatagagttg gtgaacaagg agttaccttc tgactgnttc tcttttagtg    540
aagtaggagg caaggttatt agctaagagt gagatggtta ggagatggtg taaatttaaa    600
ggaaaagaat taaggtatga gatagttggc taggataatg aanttnntga atggttttga    660
gctaagtngt attaaaatcc cctttaggta atagacnatg aanttccaaa gcnccactta    720
gccaaccctg ggttctttct tttctttt                                       747
```

```
        <210> 3448
```

●

●

```
       <211> 759
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (1)...(759)
       <223> n = A,T,C or G

       <400> 3448
ttnnnntcaa cnggacnnct tttacccttc ccgttcttnt tgcaggntcc catcgattcg        60
aattcggcac gagatgttgc ccaggctggt ctcaaactct tntttntcaa gcaatactcc       120
tgccttggcc tcccaaagtg ctgggataat aggcatgagc catcatgcct ggccgaactt       180
atttttaaat tctttgggaa tctaaaagga ctatgtgctt tcttttttac tggattatgt       240
gagaagataa tagtttgcag agaaattcag tgaagcagct gataaaatgc tttaaaaata       300
tatttcagag aattgagcaa taacagtgat gtcaaaatag tagccccacc ttctccagcc       360
cacctaaacc aacactgagc atggacacat gcatttcttg tcatcagcca gacgaaatgg       420
agtagcaaaa atccatccta tatgtcattg agtcttataa tacagttctc ttttctctgn       480
ctattaataa aagaccccac tgaatgaagc cggaattctt ttaggcaatt taaactttct       540
gaaatagagg aaagttggaa aggggcggta gtcaaggaat atagaagtaa aaaatatttt       600
tgaggtcaaa tgcttatctg aacagattgn ctagtctgat tatttttaaa agtattatgt       660
tgatccagtg gtttaaattt gaatcaaaag taatgattta accaaaggtt gtgcttccat       720
tattaacctc agaaacacta agaaaccgaa atcactttt                             759

       <210> 3449
       <211> 736
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (1)...(736)
       <223> n = A,T,C or G

       <400> 3449
ttnttncnnc tnntggaacc cttttttgcag gatcccatcg attcgaattc ggcacgagca       60
aaaagctgct gctgggcagc cccagctcgc tgagcccctt ctctaagcgc atcaagctcg       120
agaaggagtt cgacctgccc ccggccgcga tgcccaacac ggagaacgtg tactcgcagt       180
ggctcgccgg ctacgcggcc tccaggcagc tcaaagatcc cttccttagc ttcggagact       240
ccagacaatc gccttttgcc tcctcgtcgg agcacgcccc atattagtgg tccgggcccg       300
ggcaggccca gctcaaaaga gggcagacgc agcgacactt gttcttcaca caccccatt        360
cggcgtagta cccagagagc tcaagatgtg tggcagtttt cggatggaag ctcgagagcc       420
cttaagttct gagaaaattt gaagccccca ggggtggggt ggacgcgtgc cgcccagtcg       480
acgtcagcgt ggtctgtcat cctgctagtt ngtgatgttt tctgacagta gcctncaaga       540
acccgttgtg cgaagacaga gtcctgcaga gtccttccag cctagcctgc agcgccattt       600
tatttatatt ttttaataaa aagtaaaaca nnaaaaacag acccacattg gaacagtgaa       660
tcattccata gagaggcccg tggaccatcg ttgtcatgag tgatgcctgg ccttttgaaa       720
ccagccnacc taattc                                                      736

       <210> 3450
       <211> 738
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
```

991

```
<222> (1)...(738)
<223> n = A,T,C or G

<400> 3450
cttcttttcn tnncacgttc tttttgcagg atcccatcgg attcgggagn aactgctcac      60
tccttttccc tccccataca aactcaaagt cccctgggcc ccaattcaga gttatgtttt     120
ttttggcaca tactagaaag gcagtgcctc agcccttccc tgaatccatg gaggtgttct     180
gtttggggct ttttagactg ctgctgctca gctggttgct tgaactgaca gtaggccagc     240
ctgttctctg ccattcccta gtcatcctgt gcctcaccac agcttgctta gagcaagcct     300
tttctcagac cttaggcaca gcctctcctc tttacctgat caatgttaaa tgtaagcacc     360
cctgatccca ggacataagg aaagatgccc aattgtactt ttgttctata gcctgtgaaa     420
tggctagttg atcatttttc cacaaagaat tangtgttaa gagttttcct tcangcttta     480
cttangagaa tggactaagc tgaangtgta ctttaccagc aagagtcaac tctagaattt     540
cangatgttc cttctattgc ctcttagcca tctgtcagga aatgtaactn tggttttatt     600
ttnggctatt ccanggggta agccanaaaa tngnaatgat nattctgatt aatagcagaa     660
acttttcat cccaaattat aaggggnctg ctctttaaa aagcntctaa gctaagtcna      720
gagcttagga actgtgac                                                  738
```

```
<210> 3451
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 3451
ttnnnttntt gaactttta ccctgttctt ntgcaggacc catcgnttcg aattcggcac      60
gagggctctg accctgcagg actgggcagc ccagcggtgc accatctcct accgagcccc     120
agagctcttc tctgtgcaga gtcactgtgt catcgatgag cggactgatg tctggtccct     180
aggctgcgtg ctatatgcca tgatgtttgg ggaaggccct tatgacatgg tgttccaaaa     240
gggtgacagt gtggcccttg ctgtgcagaa ccaactcagc atcccacaaa gccccaggca     300
ttcttcagca ttgcggcagc tcctgaactc gatgatgacc gtggacccgc atcagcgtcc     360
tcacattcct ctcctnctca gtcagctgga ggcgctgcag cccccagctc ctggccaaca     420
tactacccaa atctgaaaaa gcagcatgtt gagaagatgg ccccttgtgc cttggaaaga     480
ggttcccatc cctcattgga atcaccaccc attccatcca ggacttctct tacacttggg     540
ggtagccggg gtcaggacaa tcatctcagt cctgcatctt ttcttctgct ttcttccctc     600
caagagcaaa acctgggcaa ggggacttac tgagtggggg tgggtggggg ttgggaaaag     660
ggaaacnnnt gggatatggn acatggntct nagcaggant gntgagctac ntancgtntt     720
gactcnaaan tnngngagca gnnnat                                         746
```

```
<210> 3452
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 3452
ttnntnttcc ttgaancctt tttctacann cncctttgca gatcccncgt tcgaattcgg      60
cacgagagac aaagaaaagg tggcaatcat agaagagttt ntagtaggtt atgaaacctc     120
```

992

```
tctaaaaagc tgccggttat ttaaccccaa tgatgatgga aaggaggaac caccaaccac      180
attactttgg gtccagtact acttggcaca acattatgac aaaattggtc agccatctat      240
tgctttggag tacataaata ctgctattga aagtacacct acattaatag aactctttct      300
cgtgaaagct aaaatctata agcatgctgg aaatattaaa gaagctgcaa ggtggatgga      360
tgaggcccag gccttggaca cagcagacag atttatcaac tccaaatgtg caaaatacat      420
gctaaaagcc aacctgatta aagaagctga agaaatgtgc tcaaagttta caagggaagg      480
aacatcagcg gtagagaatt tgaatgaaat gcagtgcatg tggttccaaa cagaatgtgc      540
ccaggcttat aaagcaatga attaaatttg gtgaagcact taagaaatgt cattgagatt      600
gagagacttt tataggaaat cactgatgac ccagtttgac tttcatacat actgtatgan      660
ggaanattac ccttagnatc ttatggtggg actttatttа aaaacttnca nnaatgttcn      720
ttcgacagcc ttccatttta acttcnaagg cnncaangaa ttnt                      764
```

```
        <210> 3453
        <211> 758
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(758)
        <223> n = A,T,C or G

        <400> 3453
ttnttccncc tttttnaanc cttttttgcag gatcccatcg attcggactg ctggccgagc      60
ccgctgggag tctagaaaga gaaaatctgt ttctagacct cagttatttt cccatttttg     120
gttgttttga agcagtaaca ttttтctcag tgcacatgca atttgggttt tagagaagat     180
ggccaccagc tggcttccta gatattttaa acttttgttc tttaatatgc tgtccatggc     240
tgagtttatt agtacatggg cttagtgacc acaaaatatt ttattaagaa actgtttcaa     300
aaataaattt gcactgttca tttttctggc ctcgctgttc tccatagagc aagggtaatc     360
ctagaaaaat tttttttttt ttaaattatg caacgtaaga tgtcctcctt gatagaagtc     420
ttagctcctg tgttacaagg gagaactcat ttgagatcag tctgttggca ttgcaatgaa     480
gtgctttgta tcangaaagt gtacactatt gacctttttt cctgttcaca agctgagcca     540
tatgtacata atctagattt tgtttтcata gttttgcact ttttatagcc tatttttgaa     600
gattaacaca tttgcaagat gatntgactc aatctttgcc taatccaaat gagtgttacc     660
agagagcttg cntgtgacta gaacccataa aattcttaaa anggggtatg ttgataatag     720
aagggcnggg aatttaaaac ccnggntttt aaaaaaat                             758
```

```
        <210> 3454
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3454
tntcccttga acccnttttg ntntcctgca gggatcccat cgattcgaat tcggcacgag      60
cacctttcct ccagtttcca ataacacatt cctcttttcc acctgagacc tcaccagaat     120
cacctttaat gtctatattc ctaccaatag tctttttaag gcaatatagg ctttctctaa     180
catgcacttc aaacttcaag atggagggga tgccatacaa caggactatg tgatggtttt     240
tggctgtgtc cataggaagt cacaacaggc aagggaaaga aaccagaacc cagtcatgga     300
gttaagaagt gagtcagaga gtagatgggt agggacagtg aggtaaggcc tctttctaag     360
gaagtttggc tgaaggatag actagctgga cacatgctgg ctgtgtgggg tagagggagg     420
aatgatggan ggtaggagag ccttgagcct gcgagaagag tctctagaat agagaagctg     480
```

993

```
aggttaaagt tgtggaagac agtggggata actgagtgac agataatcan gagaagaaaa    540
ggagatccag aatcatgacc agagagatga cctttgccaa gagcacagcc atctttcact    600
gtcncanaga ggtaggacaa aacgattggt gttcaagaat tgggtttgta gcacaatatt    660
ttaactatgt cctttaaaaa agtttctccc ccagacacta cccaaagcca gtcctttcac    720
tacagggggc cgacagaccn tgaaaatn                                        748
```

```
        <210> 3455
        <211> 716
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(716)
        <223> n = A,T,C or G

        <400> 3455
tctcantnct aggctcttgt tcttttttgca ggatccctcg attcgaattc ggcacgaggt    60
attcagcttg gctggagcag aggcaggagt ggggaactgg ggacaggtga gactagaggt    120
tggcagaaac cagccatagt agttttttgcc tcatttggac aacaaggagc catccaagag    180
agagcggtga agctgatggt gacacagcca tggcgcattg aaataccccc agtggctgtg    240
ttgtagggta tattgggttg gggagggaca aggtcaggag gcatagactc gacatcatct    300
gatgtgattc angacagaat ggcgagcctg aagtgaagtg tctgtaggat aagttggaaa    360
ggaaggaacc aatatgagat attaaagaag tgaaagctat aggtcccagt gccttaataa    420
aggtaaggag taagagaaga ttcgagattg actcccagac tctccagtct gctggacatg    480
ggagatggaa tagaagttga tctcggnntg gtcataggag agcagttact gtgttgagca    540
tggatagcct gtcgttcccc aggagaagga ntacagcttg gctggaaatn ngcaatgccn    600
annttggaga gatccacctt ggggtcactc ctaggggggcc naccccttgna nccccttgagt    660
agcaatcccc ccagaaanga tncaaagggc ttgannctna actttaaana ancnnt        716
```

```
        <210> 3456
        <211> 712
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(712)
        <223> n = A,T,C or G

        <400> 3456
tttacantag tagctctcgt tcttttttgca ggatccatcg attcgaattc ggcacgagat    60
ttgcttcgag ggtagtgtct tactaaaagt taggaacaga gacctagtgg tgtgtccaag    120
gccgtgtcac tttccccttc agcacacccc agcttctgac ctcagagccc aggagctgcg    180
tggacagtgt ggggtgccag gaggaggggc ggtggctggt cctcaggcac gctgcactcc    240
cagccagaca tggtctttcc gtttcttaag tagcaagtgt aggtttcagc tggcagttcc    300
acctgcatgt tctctgcttc gctgccttgg aaggggccac attccccatt cctcttctcc    360
ttacagcgcc tgcctccttt ttcaagcagg cggaaagctg ctgtttctca cgtttcaggg    420
agaggggtga gcggagggag acctgtgtcc gtgccgtccg gctccctggg tgggaacagg    480
caagggatca gatgcccctg acaccacgcc tctggcacac canatgcctc tgcagtcctc    540
gacagcctct tcagtgtccc tcctgcggtg atgtccttac tgtccccagc caaggccggg    600
gaccggtgtt tcactganga cctgcattag aaacattttt taaattgttg tncaggaaga    660
gatgtgtctt aaaacagcat ctttaaagct gantgtattt ctttgcacaa ag            712
```

```
        <210> 3457
        <211> 664
```

994

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(664)
        <223> n = A,T,C or G

        <400> 3457
cacgagattt tgccatgtgg caagttggtt tgtggagttg ggcaggtgtg aaagggtaaa      60
actccacttc tgaatgctgc ttctgccccc tgggacccag cacattgtta gaccatcttc     120
ttgactgaaa attctctcct gatgctgagc cctgcaccac caccttcctt ttcctaacta     180
tgaatagatg gcaaagtcca ctcaaaacaa ccagttaagt gctcacgaga gagtagtcaa     240
gcacctccag aaagaaaccg ggttttttgtt cacatagcan gaagtgactc cctgggtggt    300
nattnatctt ggaaacacag gtagattggc agaaaaacgg gaacatgtag gtaccgcgat     360
gttggtgcat gtncattact ttgggatagg cttttctcagt cttttcctcaa atgatngttg   420
agccagtttt ccagggggca attctgantg acttgcgctt gtcttatggt gtggtcaagg     480
gactttcana actacngaaa acttttactg anacagctga aacaagagta taccggcntg     540
agagggaaga tgaacactca cctatgtacc actcttttga caatnaatnt agtatttctc     600
aaatcaagtc tnnagactga tcctgtctca aaaaaaagc ctntagacta ttattgagtc       660
cgtn                                                                   664

        <210> 3458
        <211> 822
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(822)
        <223> n = A,T,C or G

        <400> 3458
atcccatcga ttcgaattcg gcacgagcca tgggcggctg cactcccnac anatgggagt      60
gnccagggag gacttgctca gccatggatn cacaccgacn gctgaggggg cgcctggcta     120
cctnntgtac catccctgtg nctacatgct tgcangagga cggatggctt actgnangaa     180
naagccngna tgcanntctg natgagaaca caggcaganc nccctctata gaaagcctgc     240
tttggnanac ntnntcatan agccgagact ncacntacnt cacngccttg gngaanatcc     300
aactcgaggn gatctatgtc ttacgttcct gcaagcgccc ntggagctgc ccntgganca    360
gtgtgccagc cancnagagt gntggnnaag ccccncnnan nnaccttcaa tcatggacag     420
cacnaancgg ntggntctgc gcnagangtg ctgggtaatg agnttacgtn caaggttngt    480
atccactaga gcccgangta tcatanccnc caaccacgta actntgggna atnnnaatna    540
atccaaagat ttantngaaa ctttaattgc gaccantngt aagacaccnt ggtaaatttt     600
agcccaancn aatgaacncc tcnngtcttt gcaattaaaa taaaatnact ggcggntttta   660
nctgccccc anttngccat ttctnntttt annaaaacag gncngttttc caaccatttn    720
cgnccctttt tcttaaatng ttgccttggn ccgnattntt aaaaantcnn natnctaaaa    780
tagcccgana agncttttgg ancaacnttn taaccttggg ng                       822

        <210> 3459
        <211> 715
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(715)
```

<223> n = A,T,C or G

<400> 3459

```
ggntcttcna atgctnggct ntngttcttt ttgcaggatc cctcgattcg aattcggcac    60
gaggtcacct ccactagagg gggataaaaa ggataatagg aaatcagaat attttgattt   120
gtagttcaac tgttgatcaa ttatctttga gacttttaac attcatgact aaggaggatt   180
aataattaac atgagctgta gaattaaggt ttgtatggca tgataagtat aaaccagttt   240
tgggaccgct ataattctaa aaaagcaggt agactagatg attagttgta cacttattac   300
tgctaattct tgattgtaga acaaattttc ctatgaaaac catgttgtgt attttatatc   360
tctattagtt cgttaaaagt ttancagttt tagatgtcga accagtaaaa aacaagttgc   420
ccattctatc attttttta ttgtggtaaa atatatttaa gataaaattt acgattttaa   480
ccatcttaag tgtacattgg tacagtggca ttggttacgt tcacaatgtt gtacaactgt   540
catccctatc tatttccaaa gctttttcat cacccaaaca gctctatacc cactaacaac   600
aactccacat cacccactcc ccagccctgg ttatctctgn tctactttct gcctctatga   660
attcggatat tccagttggn ncatataagn nggactcata taatatnngc ccttt        715
```

<210> 3460
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 3460

```
tctttttctaa tgcttggctc tcgttctttc tgcaggatcc catcgattcg tcaccatgtt    60
gcccaggcta gtcttgaact cctgggctcg aatgatcctc ccaccttggc ctcccaaagt   120
gctgggatta taggcgtaag ccactgtgtc tggcctagtg tatgattatg catgagtcac   180
gcaatgttct ggtcctggat tccaggagta gaggacctag ctttaaatca attagtttca   240
gctaaactga ctagaaccag gtcaaagtgt aattctccct ccagctcccc caaaactaga   300
gttgggggga actggaggga gcaaaacact gatttgatac tagtcagttt gcttgaaact   360
agttcaccta aagctagatc tcttaaaacc aatttactga aaacttgttt gcttaaagtt   420
aatgacttaa tgactaattt gccaaaagct caattcctat tttggtgtgt ttatatccat   480
ttaggtgtcc tattctttt tgtcatgctt tggatatttc aaggatttat atctattcat   540
ccaagagtac ttctgagcta ttatcagcaa cataaattta tcaaatttgc agcactttgt   600
aaaatgatga gaatgcttcc tacctttatg gatgtctntt tctatggtat ctaccattca   660
aaaacttttt taaaaagttt aaaagttcta gcaataaaat ccaattggta cagacatttt   720
gggtatcatt ttttggttct taanccann                                    749
```

<210> 3461
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(935)
<223> n = A,T,C or G

<400> 3461

```
ccntcatcct ttttacagnt tttnaactnt ttcngcagnn nccncgantc cgcnantnca    60
nntggggaac atcttcttgt ctgctggaca cctgatttgg gcccggttct ctgccattcc   120
tttctgcaat tacatgggtt tcccagctgt tttgcgcggc cttggagcac ccacagaggc   180
ggnccctgct ggcangctat gccctgggtg tgggactctt cctgcttctg ctccagcccc   240
```

996

```
tnacggaccc caagctctac ggcagccttc ccntttgtgt gcttttggag cgggcagggg    300
actcagaggc tcccctgtgc tcctgaccta tgctcctgga tacgctatga actctcaccg    360
gctccccagc cctncccanc aaggggtact gccanggnna agnggcttgg cctngggtcc    420
ccccanaatc tcanggaatt tattgnanng ggganttgna agccngaagc tantctacnt    480
tccccagggg acccaannag caanagtaag cnncattttn cnnaaanggg tgcnnccccc    540
cttntattga aaagggngtn gtntntatcc aangccancn ttgntnatct tgnacggnng    600
accaacggcg ccctatgtnt cccangnaan cctcancann accttctact ttttactcnn    660
actntnttcc nacctncttn tncttcnatn ctttaanttt ccctctnncc attnctcnaa    720
aatanacctt ctttncagng gcttnnntnt nacatcantt aaataancnc ttntttcctn    780
aaatacatcc naaacatcna accnaacctt atnccctncg ggncttttc nacacntant    840
tgncacttct ctatatgcga actacanant taaccatttt tggacanatc tcggnngana    900
nttatttcta taatccacac taatnncann tacnt                               935
```

        <210> 3462
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3462
```
nttttgtata ctttnccctt ntctcaggcc tttttgcagg atccctcgat tcgccacgac    60
tcatttgttt cattcacatt cctcacgtgc ntnaacatan ttatatttta agaaaatgta    120
actttgttac atcaaaatat gttgtctagt aaaaagttga tattcagtag aacaaggatc    180
atgtaaataa acatctattt cacatgtacc caaaagcatt taaaaagcag aatccagggc    240
ccagagcatg agccagggag gaggatgttt ttcttctttt ctctattttt ccctaaattg    300
tgcaaacata ggtgagtctc ttaacctttc tgtgcctcag tttttctacc tctaaagggg    360
tgggatggtt cttcaaattg tttctaaaac accggcactt tcagcagtgt tctggtggcc    420
tgagatgaga gcaccgtgtt cagaagtgcc tgggagtggc acagtggaaa ctccgcttgc    480
acggaccatg gagtctgctc aggaccatgc tgtaggacac acagcctcat gcgctgagaa    540
agcaaaggaa gtgctgggtg taaaagttgc atgattccat gaagctttag ttttcctttt    600
tttggtttta aaagaaaggg ttttatatgt tctattgnaa aatatggaaa ttaaacaggg    660
acttcaagaa agccgcacag aaagatcacc ttctgatggn gtgatggtgc tcctgacatt    720
cnggccgang tctgnattct gaaaaaagan                                     750
```

        <210> 3463
        <211> 734
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(734)
        <223> n = A,T,C or G

        <400> 3463
```
gcttgnctnc tnccttttca aatngctngg ctactngttc tttntgcagg atcccatcga    60
ttcgaattcg gcacgagagt ggctggataa aaggatgtgt gggaaagaac tgagttgaaa    120
ttaggagtta gaattttatt ctttggtact aaggaatcat tgaagatttt aaaattaggg    180
ctgacataat cagatttgag tttgggaacc tatagtttgg gactggagga agacaggtgc    240
cagacaccag ttaaaaagct gttattttct aagcagtaga caaaggttta cactgacaat    300
agctgtggag atagagaaaa gctgcgagat ttcagagttt tccaaggtgt aaacaactaa    360
attttgtgat caaaatgata agggccatct aataagctgg ggaatgtggg atctgtcttg    420
```

```
gttgagttgg  tggattaact  ganattaaca  gagctggagg  aaatgtaaaa  agaaaggcag      480
gattgttcat  tttgtctttt  gtttgtttnt  ggggaacagg  gtcaaaattt  tcattctgcc      540
taangtaggt  tttagtcttt  ttcaaaacat  tctagtaggc  aagtctgtag  ctgaatcttt      600
ggaagaaagg  caaccattag  taatattttt  tgaagttccc  tacctggtta  attttttcaa      660
taaaaaactn  aggttctcag  gttagcnaga  atcatggtct  taggaagggt  ancttgtaag      720
acccaaaatt  atnt                                                             734
```

```
        <210> 3464
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3464
tnnttntcca  cttggaaccc  cttttnngaa  ancccgcagg  natcccatcg  attcgctctg      60
ggagtagctg  ggattacagg  catgcaccac  catgcctggc  taattttnta  tactctagta     120
ntagacaggg  tttcgcccat  gttggtcagg  ctggtctcaa  actctngacc  tcaggtgatt     180
cacccacctn  agcttcccaa  agtgctggga  ttataggcgc  gagccaccat  ggctcancct     240
catgttcgtt  tttaaaactt  aggatggtgg  ctcttntaca  ttgattggca  ggaactcttc     300
atattacgag  gcacttagct  agntgnctgt  gaaatanaat  actaatgatt  gaactttcta     360
ggaagtgcct  attctgctaa  tagtgnaaat  atacacttat  ccagggtcag  naatactnna     420
gtntacccac  ttaaangatc  tagacataca  tgaacttggg  cttacttgcc  cgttanaatt     480
gcatatctta  naatagtcca  tcaccttact  taangnagat  atgcntngat  tatccngatt     540
actcnntaac  atagcctctc  nccttancgt  tctcacctga  atgtantacc  tggacctctn     600
caagtcnanc  agaggccnat  aataaaagtt  canaagttta  nncnnnacac  ccctctcccc     660
ccncccanta  ncccaanccc  ctcccannac  cccctctccc  ncccacncct  cacctcnnna     720
tccncccacc  ccactcnncn  nncanncctt  ccccccccacc  ccccnncnct  acncctccnt     780
cccatcncg                                                                   789
```

```
        <210> 3465
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 3465
ttncctccnc  ttaatccatt  ccttnagcct  tnntgcagat  cccatcgatt  cgctttctg      60
gagggagaca  cccatctcct  gcccttggac  atcaggactt  ttngttcttc  ggcctttgga     120
ctcaggcttg  ccacagangc  ctcccagggc  tctcggccag  tcagcctcag  aatgagagtt     180
acaccactgg  cttccttggt  tcaaccacct  tcttacctgg  actgagcctc  acttacagct     240
tctctaggtc  tccagcttgc  agacagccta  tgggaggact  tctcagcctc  cataagtgtg     300
tgggccagtt  cgcctaataa  atcccctctc  ctggccgggc  gcggtagctc  tcccctgtaa     360
tctcagcatt  ttgggaggca  gaggtaggtg  gatcacctga  ggtcaggagt  tcaagaccag     420
cctggccaac  atggtgagac  ccccgtctct  actaaaagta  caaaaagtaa  ctgggtgtgg     480
tgctgggtgc  ctgtaatccc  agctactcng  gaggctgaag  cangagaata  cttcgacctg     540
ggaggtanag  gttgcagtga  gcccgagatc  gagccactgc  actccagcct  gggtgacagg     600
gcaagactct  gtctcaaaca  anatnaaaat  ccctctccaa  aaaaaaanac  cnctcccaag     660
tttaacccat  tcanntccnt  taccaannga  ancntctatt  nancaaaana  tcnnnccncc     720
```

tncccncca ccccnngng tcnttaatcc cnanncc

```
<210> 3466
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 3466
ntttcttttn ttttccnaac accnagccta cttggttctt tntgccanga tccccattcg     60
attcgtgccc tcaggcagcc aaagcacttt aaccctgca tagggagcag agggcggtac    120
ggcttctgga ttgtttcact gtgattccta ggtttttcg atgccacgca gtgtgtgctt    180
ttgtgtatgg aagcaagtgt gggatgggtc tttgcctttc tgggtaggga gctgtctaat    240
ccaagtccca ggcttttggc agcttctctg caacccaccg tgggtcctgg ttgggagtgg    300
ggagggtcag gttggggaaa gatggggtag agtgtagatg gcttggttcc agaggtgagg    360
gggccaggc tgctgccatc ctggcctggt ggaggttggg gagctgtagg agagctagtg    420
agtcgagact tanaagaatg gggccacata ncancanagg actgttgtaa gggaggagg    480
ggtanggaca gaagctagac ccaatctcct ttgggatgtg ggcngggang gaaacacgct    540
tgganggtta atttacccac nnaatgtgat antnataggg ganggaagct gctgtgggtt    600
taactcctgg gttgncttgt tgggtagaca gntngggaa aaaggcccct tgaattcatt     660
gtaagcncaa gtcccaactt ngccctgac tccctgccng gnggtattng gggaaacttt    720
ttgacncaaa accatcngnt tgctnnctgg acctttgca ngccccttta nccccnttnt    780
```

```
<210> 3467
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 3467
caacngctct gntcttttg caggatccct cgattcgaat tcggcacgag aagactttgg     60
aaacacacat taaaatattt catgctccga acgccagcgc accaagtagc agcctcagca    120
ctttcaaaga taaaaacaaa aatgatggcc ttaaacctaa gcaggctgac agtgtagagc    180
aagctgttta ttactgtaag aagtgcactt accgagatcc tctttatgaa atagttagga    240
agcacattta cagggaacat tttcagcatg tggcagcacc ttacatagca aaggcaggag    300
aaaaatcact caatggggca gtcccttag gctcgaatgc ccgagaagag agtagtattc     360
actgcaagcg atgcctttc atgccaaagt cctatgaagc tttggtacag catgtcatcg    420
aagaccatga acgtataggc tatcaggtca ctgccatgat tgggcacaca aatgtagtgg    480
ttccccgatc caaacccttg atgctaattg ctnccaaacc tcaagacaag aagagcatgg    540
gactcccacc aaggatcggt tcccttgctt ctggaaatgt ncggtcttta ccatcacagc    600
agatggtgaa tcgactctca ataccaaaag cctaacttaa attctacagg agtcaacatg    660
gatgtcccag tgttctgtat aaaatgcaaa ataaatggtt tttattaacc anacaaanaa    720
aaaaaaaaac ntcgagccct n                                              741
```

```
<210> 3468
<211> 741
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

    <400> 3468
caacngctct gntcttttg caggatccct cgattcgaat tcggcacgag aagactttgg    60
aaacacacat taaaatattt catgctccga acgccagcgc accaagtagc agcctcagca   120
ctttcaaaga taaaaacaaa aatgatggcc ttaaacctaa gcaggctgac agtgtagagc   180
aagctgttta ttactgtaag aagtgcactt accgagatcc tctttatgaa atagttagga   240
agcacattta cagggaacat tttcagcatg tggcagcacc ttacatagca aaggcaggag   300
aaaaatcact caatggggca gtccccttag gctcgaatgc ccgagaagag agtagtattc   360
actgcaagcg atgccttttc atgccaaagt cctatgaagc tttggtacag catgtcatcg   420
aagaccatga acgtataggc tatcaggtca ctgccatgat tgggcacaca aatgtagtgg   480
ttccccgatc caaacccttg atgctaattg ctnccaaacc tcaagacaag aagagcatgg   540
gactcccacc aaggatcggt tcccttgctt ctggaaatgt ncggtcttta ccatcacagc   600
agatggtgaa tcgactctca ataccaaaag cctaacttaa attctacagg agtcaacatg   660
gatgtcccag tgttctgtat aaaatgcaaa ataaatggtt tttattaacc anacaaanaa   720
aaaaaaaaac ntcgagccct n                                              741

    <210> 3469
    <211> 860
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(860)
    <223> n = A,T,C or G

    <400> 3469
ggaactggct caggctggat tactcttgct gctgtcttgc tgtactgtat gccactggga    60
tctgaacact aaacattgct aagaaaccca cccaccacca ggatatttgg aagtaacttc   120
acatatggaa aagttaaaga ctcagtctct gagaaaacaa ttggactgat gcgaatgcag   180
ttttggaaaa aaactgtgga agatatatac tgtgacaatc caccacatca gcctgtggcc   240
attgaactat ggaaggctgt taaaagacat aatctgacta aaagatggct tatgaaaatc   300
gtcgatgana gagaaaaaaa tctggatgac aaagcatatc gtaatatcan ggaactggaa   360
aattatgctg aaaacacaca gagctctctt ctttacttaa cactagaaat attgggtata   420
aaggatcttt catgccacat catgcttgca cgtcattatt gnaanaagcc ccnaangcat   480
ttgtccacct gcntngaagc gncaacaccc ntnttccttg gggaagcctt tnnncaaaaa   540
ggcngttccc ntttctccat ggnnnttntt ntcncnntgg cctnccnttn ggccgatttn   600
cactnacnna angnaccttc nnctttctcg nnatggatat cccaangngc ttttnnaccn   660
nctcgnaccc acnanctggn taantctnac atctgcaccc nttctggccn ccntcttcct   720
cggntcacct anctccggan ccaccnatct cnctnccat tggtctctcg aggnttcnct   780
ctnttnnctc tctcacatna tntantntng cnncnccctt ntncgttnta aatanntcca   840
tntcntctcn cccngnntat                                                860

    <210> 3470
    <211> 1191
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(1191)
    <223> n = A,T,C or G
```

<400> 3470

```
tgttttgttt ttgaaccctt tttggnantc ccgcaggatc cccatcgatt cgaattcngc    60
acggagaaga ctttgggaaa cacacattaa aatattctca tgcttttnaa cgccagcgca   120
ccaagtagca gnctcagcac tttcaaagat aaaaacaaaa atgatggcct taaacctaag   180
caggctgaca gtgtanagca agctgtttat tactgtaaga agtgcactta ccgagatcct   240
ctttatgaaa tagttangna gcacatttac agggaacntt ttcancatnt gncantactn   300
ttncatanta caggcnggnn aannnnatcac tcaatggggc ntgttnncnn tangctctct   360
atnttcntcn cnntanncnc tgccancnnn cttnnnnatn nctnnnnnnt ntcnctnncc   420
cccttaattc ccgntnnant ngcanntnct cnnanctanc natcnanatg nactcatatn   480
tttcacncnc cctgccntat tcatcaacan nnnngntanc gcatttnnct cactctatnt   540
ctctctnntn ncnnntttnt ntntcgatat ctcttnnacn cactacntnc ctctctnact   600
ctcananantac tcttntctct ctactcttca nacngtnntn aancctctct atctatcnca   660
cntnnnatat acancacnct ctctactanc acacntctcn catcagactc tcntctantc   720
acanacgatc ctncnctcta ctnttaccga ngnagtcncc ntctccnntt acttnaatnc   780
cacnnnntca ctnnccnatc cnnctatntc gcatnnatnc actcactcnt tcnatnctta   840
tntntncncc ntctctctnt ntccnantga ngatacatat gtccanactc nancnttccn   900
atcnnctcnc tgctnttntn cactntctcn tntcaccntc tannacatcn tctctntcnn   960
acgttanata caatacgctn tntacctctc tattnttntc tgacacanat ctcctcctca  1020
ccactcactc tgntcacgta tctgcgaaca ctacncantc cgtctcacct ntnanatcgn  1080
ctctacantc tctnactact actctctcac tcntctctct acanctntca catctctctc  1140
tacctctcca cgctntatac atatacctcc tncactcctc tnanngtnnt t            1191
```

<210> 3471
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

<400> 3471

```
ttacctttag ctcccgntct ttttgcagga cccatcgatt cgaattcggc acgagggcta    60
acttgccttg ttttactatt gatgtttgtg tcctgtgtcc ttaacacttt aagcagctgt   120
tctcacctaa aggctaatag ttttaagtaa gtttcttttt cttttttttaa tttaaaaatt   180
aaaaaatttt taattaactt tttttaaatt aaaaaaaatt attaattatt tttaatagac   240
aggatcttgc tatgctgtcc aggctggtct tgaactcctg gtctcaagtg atcctcctgc   300
cttggcctcc caaagtgctg gtattacagg tgtgagtcac tgcacctggc caagtttatt   360
ttttctgtat acatttcttc agccacttca atcaaacatt taattaacat gctataatga   420
atgacttttc ttactaggct aacaaatgag gcacttggaa acttacttta gttacagcct   480
cactttcttt ttttgngagg aaattctgtg ttgacatact ctttaatttc ttttacctt   540
ttctgactga ttttctgtaa tttgggaata ttgngatgac tgcttattct aataatatta   600
acatatagca ttctttagc acataaatag tttcatttgc atagtaagcg ccaggcttn   660
ccatcgaatt ttgatnaaaa taatccatgc ttcatggtac cttagagatg ggatatttta   720
aggcctctan aactan                                                   736
```

<210> 3472
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

1001

```
          <400> 3472
ntttttgtata cttttnccctt ntctcaggcc tttttgcagg atccctcgat tcgccacgac      60
tcatttgttt cattcacatt cctcacgtgc ntnaacatan ttatattta  agaaaatgta      120
actttgttac atcaaaatat gttgtctagt aaaaagttga tattcagtag aacaaggatc      180
atgtaaataa acatctattt cacatgtacc caaaagcatt taaaaagcag aatccagggc      240
ccagagcatg agccagggag gaggatgttt ttcttctttt ctctattttt ccctaaattg      300
tgcaaacata ggtgagtctc ttaacctttc tgtgcctcag tttttctacc tctaaagggg      360
tgggatggtt cttcaaattg tttctaaaac accggcactt tcagcagtgt tctggtggcc      420
tgagatgaga gcaccgtgtt cagaagtgcc tgggagtggc acagtggaaa ctccgcttgc      480
acggaccatg gagtctgctc aggaccatgc tgtaggacac acagcctcat gcgctgagaa      540
agcaaaggaa gtgctgggtg taaaagttgc atgattccat gaagctttag ttttcctttt      600
tttggtttta aaagaaaggg ttttatatgt tctattgnaa aatatggaaa ttaaacaggg      660
acttcaagaa agccgcacag aaagatcacc ttctgatggn gtgatggtgc tcctgacatt      720
cnggccgang tctgnattct gaaaaaagan                                       750


          <210> 3473
          <211> 847
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(847)
          <223> n = A,T,C or G

          <400> 3473
tctttttcnan anctcnngcc ttctgcaggn atcccatcga ttcgccacga ctcatttgtt      60
tcattcacat tcctcacgtg caacaacata attatatttt aagaaaatgt aactttgtta      120
catcaaaata tgttgtctag taaaaagttg atattcagta gaacaaggat catgtaaata      180
aacatctatt tcacatgtac ccaaaagcat ttaaaaagca gaatccaggg cccagagcat      240
gagccaggga ggaggatgtt tttcttcttt tctctatttt tccctaaatt gtgcaaacat      300
angtgagtct cttaaccttt ctgngcctca gtttttctac ctctaaaggg gtgggatggn      360
tcttcaaant gnttctaaaa caccggcact ttcagcagtg ttcnggtggc ctgagatgag      420
agcccgtgtt cagaagtgcc tgggagtggc ccactgggaa actccgcttg cacngaccnt      480
ggagtctgct cangacctgc tgtnggacca cacancctna tgcgctgnga aagcanaagg      540
aantgctggg ngtaaaagtt tgncattgat ttccttngan gccttttnaa nncctcccnc      600
ttcttttttg nntttaaaaa aanaaaaagg ggtntnttat cantggntcc nnntttcggn      660
aaaaaantnt tgggcaaaac ttttnaaacc naggggggnc cttntccacg caaaaagccc      720
cgcacccagg nnaacngnaa tttccccctt tnccnggnat gggctcngtc ggaaatgcng      780
ccttncctcn ggaaccantt ctcgggcccc naannggtnn nnggccnatt tcncctggna      840
aaaaann                                                               847


          <210> 3474
          <211> 847
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(847)
          <223> n = A,T,C or G

          <400> 3474
tctttttcnan anctcnngcc ttctgcaggn atcccatcga ttcgccacga ctcatttgtt      60
tcattcacat tcctcacgtg caacaacata attatatttt aagaaaatgt aactttgtta      120
catcaaaata tgttgtctag taaaaagttg atattcagta gaacaaggat catgtaaata      180
```

```
aacatctatt tcacatgtac ccaaaagcat ttaaaaagca gaatccaggg cccagagcat  240
gagccaggga ggaggatgtt tttcttcttt tctctatttt tccctaaatt gtgcaaacat  300
angtgagtct cttaacctt ctgngcctca gtttttctac ctctaaaggg gtgggatggn  360
tcttcaaant gnttctaaaa caccggcact ttcagcagtg ttcnggtggc ctgagatgag  420
agcccgtgtt cagaagtgcc tgggagtggc ccactgggaa actccgcttg cacngacnt  480
ggagtctgct cangacctgc tgtnggacca cacancctna tgcgctgnga aagcanaagg  540
aantgctggg ngtaaaagtt tgncattgat ttccttngan gcctttnaa nncctcccnc  600
ttctttttg nntttaaaaa aanaaaagg ggtntttat cantggntcc nnntttcggn  660
aaaaaantnt tgggcaaaac ttttnaaacc naggggggnc cttntccacg caaaaagccc  720
cgcacccagg nnaacngnaa tttcccccctt tnccnggnat gggctcngtc ggaaatgcng  780
ccttncctcn ggaaccantt ctcgggcccc naannggtnn nnggccnatt tcncctggna  840
aaaaann                                                            847
```

<210> 3475
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(694)
<223> n = A,T,C or G

<400> 3475
```
gttacgctac tggtgttcaa ttattagttt gtaccatttt taatttatgt cagttgatgc   60
atctgaaaat aagtgcttgg agtgttcgta cccttatttt ttttaagatt cctagaagga  120
atcttnggtt aattcagatt gagcanttaa agttttgct atttacctt gtgcaggctg  180
gcatatgcta atttgggggt ggtaaccaac cgattttatc tcatgtaagc attacatttt  240
gaagactgaa tatacttcac agcagatcaa acacatttat ggcatgcact gacctcttct  300
tggagcccag aactttatag agttgcctac cagggtttac tgtnatggaa tttatgatct  360
taagaaatta ctagttgcat tatttatccc tatgattcat tcattcaatn aagcntttac  420
tgcataaact ttacatccng cactgtagct taagtncccc aaaaattgaa tngnanntaa  480
ttgngctntt cganaattgc ccaacgcnnn gcccaggcca ccggtggntt naccgcctgt  540
nggtccccag cnttnctcgg ggaangcccn agccntccg gancccnag ttcnnnaaaa  600
tccagaccnt ccctggntaa cnnccgtcaa aaccccggtc tnttantaaa aatncanaag  660
atttancntn ggccttggtn ggcncccccc cncn                            694
```

<210> 3476
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 3476
```
tcttttnttn ccttttcgnt cntgttcttt ttgcaggatc ccatcgattc gttcaccatc   60
tatgtcctct ggacgctggt ctccttccgc taccactgcc agctgtactc cgagtggaga  120
aagaccaacc agaaagttcg cctgaagatc cgggaggcgg acagccccga gggcccccag  180
cattctccac tggcagctgg actcctgaag aaggtggcag aggagacacc agtatgaatg  240
ctgggctctc cggaccctgc agcagagagg ccagaggtag ctggtgatac cctgtcctgt  300
ggaaggactt ccacttcaac acttccactt caacagttcc cgcacggcct gaacgcttct  360
taggccaaga gacaccatgc ggagcctagt ctgtgatcct gtgtgaagat attttcaggg  420
tttttttttt ttttttgcata tggaggacag gtggacatgg tcctgagctc tggacggagc  480
```

1003

```
angcaccctg atctcattct gaggtccaca tggcaccttc tgggccagca gctgtggccc    540
ngtgtatcaa agggcgcccc ttaaagctgg aacattccac aagcttcttg cgcttttntg    600
cacccngcag gcccactttc ctggcaccct cganttttata taaaaagttg ccctgcgttt   660
naaaaaaccc acccctgaa tgaattaaaa nggagcccct ggcttggaaa aaanaaaac     720
atctnncnct nnntatcncn naaaananaa ccnnnggcct                          760
```

        <210> 3477
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 3477

```
tnctattttn tttccaancc tttgctactt gtctntttgc aggacccatc gattcgctgg    60
aaacctttac cagaaagtga cgggcaagga ctgagatacg agggcctgat gggcaaaccc   120
agcatcctca cttaccagta tgccgaggac ctgatcaggc gacaggcgga gaggcggggc   180
tgggccgccc ccatccggaa gctctatgct gtgggtgata accctatgtc tgacgtatac   240
ggcgccaacc tgttccacca gtacctgcag aaggcaacgc atgatggggc gccagaacta   300
ggggccgggg gcacacggca gcaacagccc tcagcaagcc agagctgcat ctccatcctg   360
gtgtgtacag gcgtctacaa tcccaggaac ccacagtcca cggagcctgt ccttggagga   420
ngggagcctc cattccacgg ncaccgagac ttatgcttca ntagggactt tgaaatgggg   480
gaggcagtgt ggaatactgt ggatgtctgt gcagagcctt tgccggcact gaaggcatgc   540
agcctgtcgg cagagtgtct taacacccag atgcctactt tttactgnat ngtagtttat   600
tgcccggaga tgttggggct ttttttttta aataaaataa tcataattaa atgttcatga   660
aaananaaac atnttcnaaa aaacttcnag cctctngaac tntantngag tccttatnac   720
ctncatncca gancttgnta aggattccat tgatgaagtt tn                      762
```

        <210> 3478
        <211> 1191
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1191)
        <223> n = A,T,C or G

        <400> 3478

```
tgttttgttt ttgaacccctt tttggnantc ccgcaggatc cccatcgatt cgaattcngc    60
acggagaaga ctttgggaaa cacacattaa aatattctca tgcttttnaa cgccagcgca   120
ccaagtagca gnctcagcac tttcaaagat aaaaacaaaa atgatggcct taaacctaag    180
caggctgaca gtgtanagca agctgtttat tactgtaaga agtgcactta ccgagatcct    240
ctttatgaaa tagttangna gcacatttac agggaacntt ttcancatnt gncantactn    300
ttncatanta caggcnggnn aannnatcac tcaatggggc ntgttnncnn tangctctct    360
atnttcntcn cnntanncnc tgccancnnn cttnnnnatn nctnnnnnnt ntcnctnncc    420
cccttaattc ccgntnnant ngcanntnct cnnanctanc natcnanatg nactcatatn    480
tttcacncnc cctgccntat tcatcaacan nnnngntanc gcatttnnct cactctatnt    540
ctctctnntn ncnnntttnt ntntcgatat ctcttnnacn cactacntnc ctctctnact    600
ctcananta tcttntctct ctactcttca nacngtnntn aancctctct atctatcnca    660
cntnnnatat acancacnct ctctactanc acacntctcn catcagactc tcntctantc    720
acanacgatc ctncnctcta ctnttaccga ngnagtcncc ntctccnntt acttnaatnc    780
cacnnnntca ctnnccnatc cnnctatntc gcatnnatnc actcactcnt tcnatnctta    840
```

```
tntntncncc ntctctctnt ntccnantga ngatacatat gtccanactc nancnttccn    900
atcnnctcnc tgctnttntn cactntctcn tntcaccntc tannacatcn tctctntcnn    960
acgttanata caatacgctn tntacctctc tattnttntc tgacacanat ctcctcctca   1020
ccactcactc tgntcacgta tctgcgaaca ctacncantc cgtctcacct ntnanatcgn   1080
ctctacantc tctnactact actctctcac tcntctctct acanctntca catctctctc   1140
tacctctcca cgctntatac atatacctcc tncactcctc tnanngtnnt t            1191
```

        <210> 3479
        <211> 756
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = A,T,C or G

        <400> 3479
```
gnntttannc nnttgaaanc cnctngctac ttgttctttt tgcaggatcc catcgattcg     60
aattcggcac gaggcctgcc agaatggaag catacagatc tgggaccgaa atttgactgt    120
tcatcctaag ttccactata aacaggctca tgactcgggc acagacactt tttgcgtgac    180
ttntttccta tgatggtaaa tgtnccttgc ctctcntgna ngtgacgatt cattaaantt    240
atgggacatc cgacaattta ataaaccact tttttcagcc tcgggtcttn ccaccatgtt    300
cccaatgact gactgctgtt tcagtccana tgataagctc atagtcactg gtcatctatt    360
caaagaggat gtggcacngc aaacttgttt tctttgagcg tangactttc caaagggtgt    420
atgaaataga catcacagat gcnantgttg ttcgctgcct gtggcatcca aagctgacca    480
gatcatggtt ggaactggaa atggattggc taaagtctat tacgtccccn acaagagtca    540
gangggagca anattatgtg tgggtaaaac ccaacggaag gcaaacaagc tgagactcta    600
ctcaggacta catcataccc ctcatgcctt gcctatgttc gtgagccngc cacggagtac    660
aaggaacagc tggagaaagg canactggat ccctgaatcg cataaacctg aacttctgta    720
ccaggcccag ggcntggtgg ccanttggaa cccacg                              756
```

        <210> 3480
        <211> 737
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(737)
        <223> n = A,T,C or G

        <400> 3480
```
tacagctctt gttcttttttg caggatccca tcgattcgaa ttcggcacga ggaaaacatc     60
taactaagat ggtttcactg gtgaattcaa tcaaatattt aaggaacaca taataccaaa    120
accataacac atncaaatnt atggcccttc agattttgtn cttcttttng ggtcagtgtt    180
aataatacgt atctttcaaa gaatatcccc cttttttttt ggtagagata ggggtttttgc   240
catgttgttg gtagcaagcc ctaaccctgt cataaacagg ccttaaataa actggccata    300
aacaggattt ctgcagcaat gggacatgct catgatggct gtcatgcaca ctgcgaaaag    360
ttgttggttt actggagcag ggcaaggaac acctggcccc gcccggagca aaaaactgtc    420
aaaccacaaa cgatagcagg aaaggcctgt gccttggcag catgtttttg ctgcagataa    480
tcagccagag cctgtttctc tgctcctcgc tgagattgct ttgtttccca taaagattgc    540
ttttagctaa tctacaatct atagaacaat gcttatcact gctttctgtc aataaatgtg    600
tgggtcaagc tctgnttgtg gctctcagct ctgaaaaaaa aaaaaaaaaa aaaaactcga    660
gcctntaaac tntgngagtc gnttacctan atccagacnt gataggatcc atgatgagtt    720
tggncaaccc ncactng                                                   737
```

```
<210> 3481
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 3481
tttgaaancc cttagctctt gttctttttg caggatccca tcgattcgaa ttcggcacga      60
gattcgaaca tatgcagtta ttccactaaa tgatgaatgt gggattattg aatgggtgaa     120
caacactgct ggnttganac cctantctgg ccnaactatt ttaagaaaan gggngtggtt     180
tttgaacagg aaaagaacct tcgcccggtg gtatgcctcc aaangcagca actttatctg     240
gaaaactcaa angtattccg agaatttctt ctgnccaggc atcctcctat ttttcatgan     300
tggtttctga gaacattccc tgatcctaca tcatggtcag tagtagatca gcttactgcc     360
gttccactgc agtaatgtca atggttggtt atattctggg gcttggagac cgtcatggtg     420
aaaatattct ctttgattct ttgactggtg aatgcgtaca tgtagatttc aattgncttt     480
tcaataaggg agaaaccttt gaaagttcca gaaattgngc catttcgcct gactcataat     540
atgggtaatg gaatgggtcc tatgggaaca ganggtcttt ttcgaaaaca tgtgaaagta     600
caatgangct gatgcctgat cancgagagc ctttaatgag tgncttaaag acttttctca     660
tgaacccntt ggggaatggg gtaaaccatg naangggcnt tccaaacgcc ccttgaatga     720
aacctggaaa aattgncaat gaaaaggcca aanccnttnt                           760
```

```
<210> 3482
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 3482
tatnnataca agctacttgt tctttttgca ggatcccatc gattcgcaca gttctgcatg      60
gctggggagg cctcacaatc atggtggaag gcaaggaggt gcaaaaccat gtcttcacat     120
atgggcaagg caggaaaaac cntgtccagg ggaacctcca nttattaaac cnntcaaact     180
tcattgaaga attaatcact taccacgaga accagattgg gggaaccatt cccatgaatc     240
aattattctg cacctggccc caaccttgac acgtgggaat tattcaatgc cagggtgaga     300
ttgggtgggg acccatccaa ctatgtcaag tatgttttga cttctggctt gattgctang     360
tttgcataga ngacaaacat ggaaattaat gaagtacctt aatatctggc ttcagatctt     420
agacaggatc aganggccag ctcaaatttg caaggagggg aggtagatcc caccatttta     480
tgggctatgg caaaatcaaa cagaaattat gtgggatggg agatctgatg cangcatctt     540
tggaaacatc tacttagcta attttatgct aggctttagg tcaagaagga gagaaaaagc     600
tgcatgctgt ggtacacact tattgtccca ncgacttggn aaactnangc aggangattg     660
cttgatccca agaatttgan gtaatgtgcc aagaaccgtc ttgngaatag ccctacccct     720
gaactcaact tgggcaacat tganaaaccc tn                                   752
```

```
<210> 3483
<211> 783
<212> DNA
<213> Homo sapiens

<220>
```

```
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3483
gnnnnnttnn nnnttttaan cctttagcta cttgttcttt ttgcaggatc ccatcgattc      60
gaattcggca cgagaggcgt ccttgcggaa agggcatttt agctgaggct ttggagtacg     120
aataggagct cagcaggcag acgaaatgaa ggaantaaag gtcagaagaa aggtcagaag     180
cttgagtgac gttttggaaa tccaccccgt tttatttggt agaacttggg ggttcaaaag     240
ggccaggtgc ctcagaattt gaggcccaca cagtgaggtc tggtgggggtt gaaagggacc    300
caggaaccga ggcgttcagg aaagcaggtt gtcagagcta tgtggagtct gtgggtggca     360
ngggcaaccg ctccagcctt tgaagacttt gaaagccaga gattcctgcg cangcttgga    420
cttcctggga gctcctccaa gtacccaagg gcatcagagc tgcctgggtg ttacatggcc     480
caaggaaccc aggttcangg taggacaggc aagaccagat cccaatgtgc aaagtgaaaa    540
cactgggctc ctgttaaacg atgaagaatt caagacagtg acagcattac gtcacccctg     600
gggacaaang tcaacctaag gtgacacacg gggactactg tgctttcgga ngctncctgt    660
gtcctggagg anaaaagctt tanagggggc aactggacaa cttccacttg caaaattcca     720
accttgcttg ggcaaggncc cngnctggga ctnaacattt ttgatatgcc ttaaaaatta    780
ttt                                                                   783
```

```
<210> 3484
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 3484
tacangctct tgttcttttt gcaggatccc atcgattcga attcggcacg agggaaccat      60
gagaaccgaa gctagaattg ctattgaatt actttatttt ctcttcctta ttgggtagag     120
atacatcatt actggcctca ggggtttacc caaagaaagg gtattttttga gcaaataatg    180
tgatttcctg gctatttttgt tgggggctta agattttttt ttttcaaatg cattttttagt   240
cactaaaaat taactgtcgt accatctaga actatactgt ccagtaccat agcctctagc     300
cgtatgtagc tatttgtatt aagattaatt gaaattttaa atccagttcc tcagtcacac     360
tagccacttt ctaagtgctc agtagctctg tgtgaccagc ggctactgta ttggatatta    420
tagaaggttc tttcattcaa gatcatcatt cttgacagac ccataaatat ttcctataaa    480
gactgtagaa gtgtgttctg gagggtttgc tctccaaaaa gaattgtaat atagagtaga    540
attgggatag agtattgaag acactgggtt tagacattgg atattttaat gattgggngg     600
tctaatcatg tgctgcaact gagttatcta gngatatgac ctcctgcttg ccaaagccng    660
aattnaagca ggattcctga atctatctta aaattgcaat gaaaaccttt tccctaaaat    720
atcccttttg taa                                                        733
```

```
<210> 3485
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

<400> 3485
```

```
gnnnnnnnnt ttnngnntna tgaaaacccc tttaatgaaa ccctttttga anccttatga     60
anccctttngc tgcaggatcc catcgattcg gcagcgcacc aggtggtttt aggagaaaac    120
ttgatagcca cagccctttg tctttctggc agtgggtctc agtctgattt gaaggatgtg    180
ggccagcaca gcaggagagg aggggggacac aagccttcgg gaagagcctc catccagtca    240
ctcggctctt taaggcaggg tgccatacta agcagcttgc ctccaggaat tgctctgaag    300
agaaatcccc acaaacctcc atcctaaagg aaggtaacag gggacacaag cttggatttc    360
cgacctgtag tgtctccagc aaatggggtt gaaggagtcc cgagtggatc aggatgatga    420
tcaagatagc tcttcctgaa gctttctcag aacattgctg tcagactgac tttaagacag    480
ctgattcaga ggtaaacaca gatcaagata ttgaaaagaa tttggataaa atgatgacag    540
agagaaccct gttgaaagag cgttaccagg angtcctgga caaacagang caagtgggag    600
aatcagcttc caagtgcaat taaagcactt cagcaaagga gagaaganga aatgaagaat    660
cccaggagat attaaaggct atcaggatgt gacaattaaa ccgggaagaa acaaagaaga    720
agattgagaa agagaanaag gagttttgc aaaagganca ggactgaaag ctgaaatgaa    780
aaactttttg aaaaggccaa aggtan                                         806
```

```
        <210> 3486
        <211> 792
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(792)
        <223> n = A,T,C or G

        <400> 3486
gnnttttnann nnnntttat nnatacaagc tacttgttct ttttgcagga tcccatcgat    60
tcgaattcgg cacgaggcat aacgaaccta accctcagag gtttaccaag attcaaaaca    120
cgaaactgac catgaaaccg ggacgggcat ttgggtcaag tgcgggtncc agtctttggg    180
aaggtggtct tcgggcaacc cacttctttc aaccaatttt cacaagtggg aacaattggg    240
gcgggccttc cgtcgtgggc cccctcgggg ggcttgacac taatgggaca gaagctctcg    300
gtgcccgaaa gattgcctgc caganggact tgaccacagc ctggctggca actgctctgt    360
ggaggacctc caggactgag actgggctct ggtttccaag ggtcttcact aggcccccta    420
ctacacctgg aagtttcaga acccactttg ggggcctcc tgcctgggca ggctcttcaa    480
gtgtggccct cttttggagtc aaccctnctt tccgacccccc ttcccctagc ccagccccag    540
tcactgtcan ggtcgggcca accctgcac tgccttgcan antggcctgg gctaggtcac    600
ttcacctntc tggcctaatt tnccccttg agtccctaag gcctggaagg tgggaagtat    660
gtctangggg caatgtcttt ttcanggggа attctaactn ttgggaaccc ccttgttcca    720
agggaagggn aacctttttc attcaacatt gtagggcna agctttgtgc gcccctgtt    780
aggancaaac cn                                                        792
```

```
        <210> 3487
        <211> 760
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G

        <400> 3487
tcccttggnn nnnnnnnnnn tttnannata nagctcttgt tctttttgca ggacccatcg    60
attcgaattc ggcacgagga aaacatctaa ctaagatggt ttcactggtg aattcaatca    120
aatatttaag gaacacataa taccaaaacc ataacacata caaatatatg gcccttcaga    180
ttttgtactt ctttttgtgt cagtgttaat aatacgtatc tttcaaagaa tatcccccتt    240
```

```
tttttttggt agagatuggg ttttgccatg ttgttggtag caagccctaa ccctgtcata    300
aacaggcctt aaataaactg gccataaaca ggattctgc agcaatggga catgctcatg     360
atggctgtca tgcacactgc gaaaagttgt tggtttactg gagcagggca aggaacacct    420
ggccccgccc ggagcaaaaa actgctcaaa ccacaaacga tagcaggaaa ggcctgtgcc    480
ttggcagcat gtttttgctg cagataatca gccagagcct gtttctctgc cctcgctga    540
gattgctttg tttcccataa agattgcttt tagctaatct acaatctata gaagcaatgc    600
ttatcactgg ctttctgtca ataaatgtgt gggtcaagct ctgtttgtng gctctcagct    660
ctgaaaaaaa aaaaaaaann nnnnnnncc tcgagcctnt aaaactatag ngagtcgtnt     720
tacgtanatc cagacatgat aaganccatt ggtgagtttg                          760
```

        <210> 3488
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3488

```
gnnntntnnn nnntntnatn gcctnaagct acttgttctt tttgcaggga tcccatcgat     60
tcgaattcgg cacgaggtcc aggcttcctt ctgatggcca acccaccttt aatgctggcc    120
agtctatctc acacaaagtt ctaagttttc caggtgtcat agtaactcca tagtctcctt    180
aaatcccttt ttgaaatttt tcaacatagt tcctagtggg atgggcttac tttgtgcctg    240
acccatgttt tctcaagaca aaacaccatg gcaggaacag ccacttgcat ctggtcccgg    300
tgccacactg cggtgcttgg tgtggttgtg gagcctgtcc ctgcgcgcct tgctcccgtt    360
gagccacgct gtctggtggg tgattctctg cctgagccac caccctggac tggccagtct    420
ccagagctgg cacaccctgc tgttttctct ttttagacac aacagccgca gtttggcagc    480
cactaagtcc caccagctga ggtccgagga aagcggggtg actcattcc cttgtcaggg      540
cccgaggaga gtgaggtgtc cagcctgcaa agctattcca gctncttggt gttggttgca    600
ataaattggt atttaacaaa caaaaaaaaa aaannnaaaa aaaaaaaact cgacctntaa    660
actatagtga gtcgattact anatccagac atgataagat ncatgatgat ttggacaacc    720
cacttgaatg ccntgaaaaa atgtttnttt nn                                  752
```

        <210> 3489
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
        <223> n = A,T,C or G

        <400> 3489

```
cgtnttttnn nnccnannga aagcccttgg ctacttgntc tttttgcagg atcccatcga     60
ttcgaattcg gcacgaggat cagcccacct cggcctcaca aagtgntggg attacaggcg    120
tgagccacct tgcccaccca catcatacag ttgaaatgaa actttgccac aaccagcctt    180
tgctgtacac acacatatat cactgaacct ggttgaaata aagntttttt tcttttttcct    240
ctggtattct gggttctgaa gtctggtatt ctggtattct gggttcaaaa gtatgacttg    300
agagtgttgc tctggtattc tgagagttgc tctgtattct gggttctgaa gattatttga    360
aaaataactc ctactacatt gaaatgcaga cttaaaaatt taaacattgg attaggcagt    420
caaaaaaacc aagcaagcat aaaaggtcaa taagttgtaa tcttgatagt aaaggtggaa    480
aacttattat aaatggaaag aaagtttatt tccttttttg gttgatgggc agtatgccat    540
attataccca aagttctttt aaaaaatatt tccatcacca ttttttattta aaataaacat    600
```

```
ttgagggaag taccaaggca gcttttttcc tcaaaagtac ctggtcctct ttgggaatag    660
cacattttan gggcattggg taatcctgag attttactca ntaaatcctg atggtactgg    720
gtgtaaaata tctttagtng gattgaaggc cttgnggggg a                        761
```

```
        <210> 3490
        <211> 805
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(805)
        <223> n = A,T,C or G

        <400> 3490
gnnnnnnnnn nnnnnttttt gaaanncctt tnttnnnnnn ngnntttann cnnttgaana    60
cnanagctac ttgttctttt tgcagatccc atcgattcga attcggcacg aggcaaggcg    120
ccggggggaca cgttggctgc gttttcggcg ggcttccggg tcaaaaatgg ctggggcttg    180
cgaattctnc tgggctactn cgtaggcana anggccantt tgggccccga agttctgggn    240
gtcgaaattc ggccggacgg gaagcttang atatccacca ccacaaattc caaaaatgat    300
gtgatgatca gaaaaagaag cttatgtgcc caagaatgta atgggaaaga actgaagaga    360
attattgatg acagtgaaat tacaaaagaa gatgatgctt tgtggcctcc cctgataggg    420
gttggcccga caggagcttg aaattgtaat tggagatgag cacatatctt ttaccacatc    480
aaaaataggt tctcttattg atgtaaatca gtcaaaggat cctgaagcct tcgagtattt    540
tactatttgg tcaagacttg aaatgtttag ttttcaatct tattggatta cacttcaaga    600
ttaaaccaat ttaaattgna tgtttttcang ctggttgnat atttaattaa gggatgggaa    660
gggttatttg gcatttacag tattgggggtt tttatgaatg tgaagcaaac aaaaaaaatt    720
tgtatgtaaa ctggaaatta ggaaaatccn ttaccaagct taatgggtat ccttacttga    780
gtccacatgg gttggcagtc cccan                                          805
```

```
        <210> 3491
        <211> 805
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(805)
        <223> n = A,T,C or G

        <400> 3491
gnntttaaan ccnttttttnt nnnanacagg ctacttgttc tttttgcagg atcccatcga    60
ttcgaattcg gcacgaggcc tgggaaagcg tggcgcccat gaatatccgc aggagcacgc    120
atgacctggt gggccatgga cgggatgggt tgtaccccgt ggggggtaaa cgaacgggta    180
gcttncaacc ttcaacttcc attcgangaa agtacaaacc ccganggang aacaaagtgg    240
ggtgggccgc attcctggca ttgtttcaac ccgggcgcaa gcaagtgtgg ggttgtgggc    300
gggtgcttgg aagctgcttc aatttccccg nccgncatcc ttccccgacg cttgtcccgt    360
ggccctccac caagcctctt gacccaccta ccaccagaag ccttgcagcc ttccacatgc    420
cttaagggggg accgtggccc ccaccagggg acgtcctgcg ccatccgttc acgtctcttg    480
catcattcct tcatgtcttt atttagttgn ttatttattt aagttattta tcttattgag    540
aggtgaggag tgccacggct gcccgttttac acctttagcg tctggtcctn ctgcgtgtcc    600
tcccttcact ggctgcatgg ggggcccggg gagtgacaag cnggggcctt accggcccaa    660
ggccgttgc ctgctnaaac cttgcangct gtggagcaag aggcctgggt ctttcnaaca    720
ctgcagaccc acttgaattt gcacatgcgg ggtcccggga aggtggggaa caagtgtcct    780
tctgtcgtcn nnttgccgng tgcca                                          805
```

```
        <210> 3492
        <211> 795
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(795)
        <223> n = A,T,C or G

        <400> 3492
ggctactngn  nngtntttgn  angcnntttt  nantatacag  ctacttgttc  tttttgcagg    60
atcccatcga  ttcgaattcg  gcacgaggna  atgacattca  tgccagttct  tccctgaatg   120
gcagaagcac  tgaagaagta  aagcccattg  gtgaaaacct  ggggccaaac  tgggaaatct   180
gntggttgnc  ttcccccang  ntttaaagga  gatcaatgtn  gaaanggtan  cnggattcaa   240
catttggnca  agccgattca  agaacagtga  aagttattgn  ggatcttatg  ggaccaattt   300
gggccaagaa  gaagtctttt  agacagcttt  acgtccaaca  atgggaccca  tttcaagtat   360
tacttgggtg  ggcattccag  tcaacccatg  gaaaattctg  gatttcgtga  agatattcaa   420
gtacctcctg  gaaatggcaa  cattgggaat  atgcaggtgg  ttgcagttga  aggaaaaggt   480
gaagtcaagc  atggaggaga  agatggcagg  aataacagcg  gagcaccaca  ccgggagaac   540
caggcggaga  aactgacgaa  ttctctaatg  ttagaagang  aaagangaca  taggatgcaa   600
cactttgagc  gaaggaacca  aggcccggca  ggtgggaant  ggangtgatn  ggganccctt   660
gggcttcgac  cagaaggtcc  cgangcagcc  tcaatgacca  natcgcctcg  tgctgatgaa   720
actgcaggag  gacatgcnna  atgtccttta  aagactgcag  aaactggnaa  ccctactgnt   780
tttcaggcna  aaaaa                                                        795

        <210> 3493
        <211> 734
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(734)
        <223> n = A,T,C or G

        <400> 3493
gcttgnctnc  tnccttttca  aatngctngg  ctactngttc  tttntgcagg  atcccatcga    60
ttcgaattcg  gcacgagagt  ggctggataa  aaggatgtgt  gggaaagaac  tgagttgaaa   120
ttaggagtta  gaatttattt  ctttggtact  aaggaatcat  tgaagatttt  aaaattaggg   180
ctgacataat  cagatttgag  tttgggaacc  tatagtttgg  gactggagga  agacaggtgc   240
cagacaccag  ttaaaaagct  gttattttct  aagcagtaga  caaaggttta  cactgacaat   300
agctgtggag  atagagaaaa  gctgcgagat  ttcagagttt  tccaaggtgt  aaacaactaa   360
attttgtgat  caaaatgata  agggccatct  aataagctgg  ggaatgtggg  atctgtcttg   420
gttgagttgg  tggattaact  ganattaaca  gagctggagg  aaatgtaaaa  agaaaggcag   480
gattgttcat  tttgtctttt  gtttgttttnt  ggggaacagg  gtcaaaattt  tcattctgcc   540
taangtaggt  tttagtcttt  ttcaaaacat  tctagtaggc  aagtctgtag  ctgaatcttt   600
ggaagaaagg  caaccattag  taatattttt  tgaagttccc  tacctggtta  atttttttcaa   660
taaaaaactn  aggttctcag  gttagcnaga  atcatggtct  taggaagggt  ancttgtaag   720
acccaaaatt  atnt                                                         734

        <210> 3494
        <211> 766
        <212> DNA
        <213> Homo sapiens
```

1011

```
          <220>
          <221> misc_feature
          <222> (1)...(766)
          <223> n = A,T,C or G

          <400> 3494
gnnnttnann nnnnttttan nnnatacagg ctacttgttc tttttgcagg atcccatcga        60
ttcgaattcg gcacgagcac catcgaatat ttttatttat tttgagagac agactctgtc       120
acccaggcta gtcttaaact gttgggtgaa tcttaagtga ttctcccacc tcagcctccc       180
aaagtgctgg ggattacagg gcatgagcca ctaccttgg ctgtgatcaa gtattttagt        240
ctgttggtta aatgtttact aaatagtctg aagtagagaa aatagcaccc aatctaaaat       300
aaggtgaggt ctagtcactt atttaaatct acattttaag ctatagttta ctattagttt       360
aaactttaag acaggtaatg ttcatgctgc agacaatcta agggcattat taaaatgttt       420
gttcttcctt atctcagaat tgaagtatgt cagaagcaag acttttcttt ccattttgtt       480
atagtagaaa tgcatacatt aacaggtacg ttttagacat tacacgtgct catctgccca       540
aaagctctaa tgagctgcct taccctggaa tgttttttctt agcttggatt tgctttttg      600
gagggattaa gaaaagactt ggctgggcgt tgggactcat gcctgtaatc cacantttgg       660
gaaccnagcg gtggatcatg angtcaggag atggagacca tccggctaat acggngaacc       720
cccgttttta ctgaaaatcc aaaaattact gggcgtggng gcggcn                      766

          <210> 3495
          <211> 872
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(872)
          <223> n = A,T,C or G

          <400> 3495
nttananttt naaaaacccc ncttntnttg gcctnacctt ncggttttct ttttttttgg        60
gccaggggna atncccccca tnccggnatt tcccggaaaa tttccgggnc caccggaagc       120
cctgggggaa aaaatgggaa aaaatttnat ttnatttttt ncaaccccccc atttaggntt      180
angcccaaat ttaaaaaaaa aggaaaatta ccttccaagt taaantancc gttantnggg       240
gaaatanctt acctttaagt tccaataaaa aaaaggggga aatggaaaaa taaatggggc       300
attttggca ngcaanccct ggggantggg aaaactgggg angaaccatt anttcttaaa        360
agtggaangt aaccttcaag ggaaatggg aaaaaccaaa ccggtcggtg gtggttcttc        420
actctttaaa gtggggaagc taaagcttgt ggagggaccc aaagggccta agaaatgata       480
caatgggact ttggagactc aggggaaagg gtggggaggg cggtgaggga taaaacagtg       540
ccactgggtc agtgtcactg cttggtgatg gctgtccaaa atctcagaaa tcaccctaaa       600
gacttattca tgtgccaacc tcctgtccca aacctttaaa aaaaatgcgc catcccccca       660
tggaaataaa gtcaacagcc tgcagagcaa aaagactggt tagtaactta aaatattcca       720
aaagagactc ctcatgccta ctagttcact ctgaatctat caaacacgta aaggaatttg       780
gttcacacca ccaccacccc caatcttnac aatctntgag aaacagagaa ganggaattc      840
caactccttg tgaggcagct tccctgtcca tg                                     872

          <210> 3496
          <211> 710
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(710)
          <223> n = A,T,C or G
```

1012

```
          <400> 3496
tntctnaatn tgntnncgna tcttgaggac ccatcgttca attccgnncc naggggggnan    60
ctncccntac tccntggatg tgtgtaccta gcacacttcc ttctcccacc ccttttttcca   120
gttggatttg tttttctgtt ctcttctgtc ctgtcttata ctgcaactgt gtctcctagg   180
ggacagatgg ccttctttgt catcttcact ctccacccccc agagaggagt cagagccata   240
actcaatcac tcagcccctc caaagatagt tgatgtgtga taatctcata atgttgagaa   300
ccctgatgag atacattgtc ttcctctccc tacaatgcct ctggggccaa ggcacccatt   360
cttcttgcta tcctccatcc cccttgaggc ttccacttt ttttttttta gacataaagc    420
tgggcatcag caactggcct gtggtgatgc aaagctgctt tgctctgnat ctggctggac   480
tgatctgtct cacaagaagc catgaggcca tagggagaag ctccctctcc ccttcatctt   540
ctgctccaaa ggtggtanca agaggagtac ccagttaggg gttggagccc ccatatnaca   600
tcttcctgtc agaagactga tggatctttt tcattccaac catctccctt ttccccccgat 660
gaatgcaaat naaactttg tgacaccagc aacccattgc tctttanaat                710


          <210> 3497
          <211> 749
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(749)
          <223> n = A,T,C or G

          <400> 3497
nntnnnnntn tgaaanccttt nggctacttg ttctttttgc aggatcccat cgattcgaat   60
tcggcacgag attctctcaa taatggccag ccgaaaagta cgcgctgcca ggcatctgcc   120
tccgcggagt cattaaactc ccacagtggt caccccactg ctgatgtaca gactttccag   180
gcaaagcgcc atattcatca acaccgtcag tcttactgta attataacac tggaggtcag   240
ttagagggca atgcagccac ttcctatcag aagcagactg acaaacccag ccactgtagc   300
cagtttgtga cacctccgcg gatgaggaga cagttctcag cacccaatct caaagctggt   360
cgagaaaccc agtataaatc agttctggac aaacttgaaa tcatggtgga agaaacagac   420
agtgttagct catgatttga tttggttcta cctttggcct tgagttctta ttatttacat   480
tataaatatt aactggtttt atattgntaa gacaaaacac tggtaaaagt ttcaacacct   540
cccttttgct tgtataccat aaatgggcag nttctgaaat tttggataaa gcatcaagaa   600
ctccttttttc tgaaacgttc ctncttttttt agtgcctaat taatatactt acttacccng 660
gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaaaactcgg cctttaaaat   720
ataggggggnn gnnttacnna aatccaann                                    749


          <210> 3498
          <211> 782
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(782)
          <223> n = A,T,C or G

          <400> 3498
gnnnnnnnnn nnnnnntttn nannnnnnnn tnnttnnnnn nnnnnttttn aaaaacagct    60
cttgttcttt ttgcaggatc ccatcgattc gagactactg actctacgct taaaaattat   120
taagatggca aatttcatct tgtttttttt taacttaaaa aaactacata taagatagtt   180
ttgcctgttt tcaggtttct tttcagtgtt ttaggtattc agtatttaaa tcacaaaatt   240
tgtgatttga acatttttt cttccttcat gagattttaa gtggattgat acttgctttc    300
cattctgtcc cgatgtctga cctttgtaat gtaaagaaga acatttgtt taattgagag    360
```

```
aagtctgctg tgttcttgtt gatagaggac catcctagag ttgggagtgc tgtctgcaca    420
gcaacaaacc cagagtctac tttggatcac cttatatagt tcatgagtaa tcagcagatg    480
cctttccttt ctatgtctct ctctcagtga aaggcactgt ttcttccact tggtgaggaa    540
tggcctaatg ctcattgtct gtaacaggaa tgctacaact gctcaaattg taccatttat    600
catatttggt aaggtcttgc cttagtcttg cctgttcaat tataaaagga aagaagacgt    660
aaaagatgta gagttgtctg ngtgattttc cccccattat gtcagaagag gccttaagaa    720
aactaatacc ccccacaaat atatcttttt agatttctat tatatatttn gncttatcaa    780
ga                                                                   782
```

```
        <210> 3499
        <211> 736
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(736)
        <223> n = A,T,C or G

        <400> 3499
atacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggttgcttt     60
caaaagacac atatcaccat agtacatgta ataacacaca taggctcaaa gtaaaggggt    120
ggcgaangat ctgttntgca gatggaaaaa aagatcaggg gtcactattc ttgtttcaga    180
taaaacagac tttttaaatc aacaacagta gaaaaaggac tagggcatta cataatgaag    240
aagggttcaa ttcaacaaga tttatcctat cacacccaag attggagcac tcagatttct    300
aaactattat ttctagacct aggaaaagaa ttaaacggcc acataataat agtgggggac    360
ttcaacacct cactgacagt gttagataga tcatcaaggc agaaaactaa caaattctga    420
acttaaattc aacagttgac taattgaacc taatagacat ctacagaata ctccacccac    480
caacaacaga acatactttt ttctcatgtg cacatagaaa atactctaag attgaccaca    540
tgctttgtca caaagcaaat ctcagtaaat tcaaaaaaga ttgaaatcat accaagcatt    600
tcagactaca gcatagtaaa aatgaaaatc aacacccagg agaaactctc aaaacatggn    660
aactnaacaa cttgctnctg natgactttt tgggtaaata taaaaatang gcttccttaa    720
cccttttttgn aacaat                                                   736
```

```
        <210> 3500
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3500
gnnttnnnnn nnnnnntttt nanntantgc tcttgttctt tttgcaggat cccatcgatt     60
cgaattcggc acgaggtcaa ctctccttgg tgagtgcctc agaacttagg aaaagagaac    120
agcgcatgtc tctctcatga agatgacaga ggacaaaagc aagcagaaat atacaaggat    180
ttgcgtnctc tattatgaat ttctctttga gaaataatac ctgtgagaat gctgctcctt    240
caattaggtt caggattgga ggaaaaatca tataaaatag gttcctgcaa taatattgcc    300
ccttgagtat gggtgggctt gtgacctgct cagtgctaag gaaatgcagt ggaaatgatg    360
ctgtgtaact tctgaggcca agttataaaa gatcatgcat cttttgcctt gttagtttgc    420
tgacgcctga tatggagcac tagaagaaa ttattttttcc aagcatcaac ccggaagtcc    480
cagcataccg agggtggcag acatcatttc ttcaatgaac ttagtattta gaaagatatc    540
ttcactccaa gcatcaagtc ttttctgtcc tgcaaaagtc ttaagtcaaa ccagaatccc    600
tagtagaggg cacctttgga ttcaacagta aaaggagaat ctacaaaacc agctcatcaa    660
```

```
aaggggcagt gatgggtata gaacctgnct tacttaagtt caagcaatga ttaatctagc    720
ttccctctgg tggatgactg angnctttgc ct                                  752
```

```
        <210> 3501
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3501
gnnttnnnnn nnnnnntttt nanntantgc tcttgttctt tttgcaggat cccatcgatt    60
cgaattcggc acgaggtcaa ctctccttgg tgagtgcctc agaacttagg aaaagagaac    120
agcgcatgtc tctctcatga agatgacaga ggacaaaagc aagcagaaat atacaaggat    180
ttgcgtnctc tattatgaat ttctctttga gaaataatac ctgtgagaat gctgctcctt    240
caattaggtt caggattgga ggaaaaatca tataaaatag gttcctgcaa taatattgcc    300
ccttgagtat gggtgggctt gtgacctgct cagtgctaag gaaatgcagt ggaaatgatg    360
ctgtgtaact tctgaggcca agttataaaa gatcatgcat cttttgcctt gttagtttgc    420
tgacgcctga tatggagcac tagaaagaaa ttatttttcc aagcatcaac ccggaagtcc    480
cagcataccg agggtggcag acatcatttc ttcaatgaac ttagtattta gaaagatatc    540
ttcactccaa gcatcaagtc ttttctgtcc tgcaaaagtc ttaagtcaaa ccagaatccc    600
tagtagaggg cacctttgga ttcaacagta aaaggagaat ctacaaaacc agctcatcaa    660
aaggggcagt gatgggtata gaacctgnct tacttaagtt caagcaatga ttaatctagc    720
ttccctctgg tggatgactg angnctttgc ct                                  752
```

```
        <210> 3502
        <211> 737
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(737)
        <223> n = A,T,C or G

        <400> 3502
tacagctctt gttctttttg caggatccca tcgattcgaa ttcggcacga ggaaaacatc    60
taactaagat ggtttcactg gtgaattcaa tcaaatattt aaggaacaca taataccaaa    120
accataacac atncaaatnt atggcccttc agattttgtn cttcttttng ggtcagtgtt    180
aataatacgt atctttcaaa gaatatcccc cttttttttt ggtagagata ggggtttttgc   240
catgttgttg gtagcaagcc ctaaccctgt cataaacagg ccttaaataa actggccata    300
aacaggattt ctgcagcaat gggacatgct catgatggct gtcatgcaca ctgcgaaaag    360
ttgttggttt actggagcag ggcaaggaac acctggcccc gcccggagca aaaaactgtc    420
aaaccacaaa cgatagcagg aaaggcctgt gccttggcag catgtttttg ctgcagataa    480
tcagccagag cctgtttctc tgctcctcgc tgagattgct ttgtttccca taaagattgc    540
ttttagctaa tctacaatct atagaacaat gcttatcact gctttctgtc aataaatgtg    600
tgggtcaagc tctgnttgtg gctctcagct ctgaaaaaaa aaaaaaaaaa aaaaactcga    660
gcctntaaac tntgngagtc gnttacctan atccagacnt gataggatcc atgatgagtt    720
tggncaaccc ncactng                                                   737
```

```
        <210> 3503
        <211> 738
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)
<223> n = A,T,C or G

<400> 3503

```
tnaanatcnt gctacttgtt cttttttgcag gatcccatcg attcgcgtcc gctctcattg    60
gctctgctgg tccagaaagc agcccaggcc tttaactccg ggctgctgtg tgtggcatgt   120
ggttcatacc gacggggaaa ggcgacctgt ggtgatgtcg acgtgctcat cactcaccca   180
gatggctggt cccaccgggg tatcttcagc cgcctccttg acagtcttcg gcaggaaggg   240
ttcctcacag atgacttggt gagccaagag gagaatggtc agcaacagaa gtacttgggg   300
gtgtgccggc tcccagggcc agggcggcgg caccggcgcc tggacatcat cgtggtgccc   360
tatagcgagt ttgcctgtgc cctgctctac ttcaccggct ctgcacactt caaccgctcc   420
atgcgagccc tggccaaaac caagggcatg agtctgtcag aacatgccct cagcactgct   480
gtggtccgga acacccatgg ctgcaaggtg gggcctggcc gagtgctgcc actcccactg   540
agaaggatgt cttcaggctc ttaggcctcc cctaccgaga acctgctgag cgggactggt   600
gacccatggc ttgggggtgc tgangaaagc ccanttggac tggctacccc ttctggccac   660
ccagtacttc cttcagcctt aactgggtga acttgccggt tcaaccacca actttctnag   720
cgagcanggg ccaaggct                                                 738
```

<210> 3504
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 3504

```
tcccttggnn nnnnnnnnnn tttnannata nagctcttgt tcttttttgca ggacccatcg    60
attcgaattc ggcacgagga aaacatctaa ctaagatggt ttcactggtg aattcaatca   120
aatatttaag gaacacataa taccaaaacc ataacacata caaatatatg gcccttcaga   180
ttttgtactt cttttttgtgt cagtgttaat aatacgtatc tttcaaagaa tatcccctt   240
ttttttttggt agagatagg ttttgccatg ttgttggtag caagccctaa ccctgtcata   300
aacaggcctt aaataaactg gccataaaca ggatttctgc agcaatggga catgctcatg   360
atggctgtca tgcacactgc gaaaagttgt tggtttactg gagcagggca aggaacacct   420
ggccccgccc ggagcaaaaa actgctcaaa ccacaaacga tagcaggaaa ggcctgtgcc   480
ttggcagcat gtttttgctg cagataatca gccagagcct gtttctctgc tcctcgctga   540
gattgctttg tttcccataa agattgcttt tagctaatct acaatctata gaagcaatgc   600
ttatcactgg ctttctgtca ataaatgtgt gggtcaagct ctgtttgtng gctctcagct   660
ctgaaaaaaa aaaaaaaann nnnnnnnncc tcgagcctnt aaaactatag ngagtcgtnt   720
tacgtanatc cagacatgat aaganccatt ggtgagtttg                         760
```

<210> 3505
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

```
        <400> 3505
gnnnttnnnn nnnnnnnttt tntaganaca ggctacttgt tcttttttgca ggatcccatc      60
gattcgaatt cggcacgagc agagacctga cagtggcaat gtatggccac gttactgaat      120
ctacatgttg caagagaaaa actagcagat gttctttggc agccctgtca ttcagctatt      180
attgctaaag cactaggtgg gaatcattat gaaaatttcc atcctcaaat agaaaggaga      240
tttgacatat cctcttctct tgctggttta attgatggga agctttgaaa ttggaaattt      300
gcttgtgatt gtatttgtaa gttactttgg atctaaacta cacagaccga agttaattgg      360
aattgggttg tctccttatg ggaactggaa gtattttgac agctttacca catttcttca      420
tgggatatta taggtattct aaagaaaccc atattaatcc atcagaaaat tcaacatcaa      480
gtttatcaac ctgtttaatt aatcaaacct tatcattcaa tggaacatca cctgagatag      540
tagaaaaaga ttgtgtaaag gaatctgggt cacacatgtg gatctatgtc ttcatgggga      600
atatgcttcg tggcataggg gaaaccccca tagtacccat tgggggattt catacattga      660
tgattttgca aaagaaggac attcttnctt gtatttaggt agtttgaatg caataaggaa      720
tgattggtcc agtcattggc tttgcactgg gatctctggt tgctan                    766


        <210> 3506
        <211> 735
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(735)
        <223> n = A,T,C or G

        <400> 3506
tnaannanag ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggtc      60
catacatgga gctccctgga cccgtgtgct ctcgtgtgac tgaacgtttt gtgatgaaag      120
gaggagaggc tgtctgcctt tatgaggagc cagtgtctga attgctgagg agatgtggga      180
attgcacacg ggaaagctgt gtggtttcct tttacctttc agctgaccat gaactcctga      240
gcccgaccaa ctaccacttc ctgtcctcac cgaaggaggc cgtggggctc tgcaaggcgc      300
agatcactgc catcatctct cagcaaggtg acatatttgt ttttgacctg gagacctcag      360
ctgtcgctcc ctttgtttgg ttggatgtag gaagcatccc agggagattt agtgacaatg      420
gtttcctcat gactgagaag acacgaacta tattattttta cccttgggag cccaccagca      480
agaatgagtt ggagcaatct tttcatgtga cctccttaac agatatttac tgaaggaatc     `540
taggttgtat tttcagtgga caatgggaat aaagcatttc taaagcaccg actggagagg     - 600
aaggcaacag aaacaaggag agaagcccga gagacatgtc tgcgtgctgc cacgcatctg     :660
ancgattgct cttgtgaaga gtttgtcact gaacattttc aggggaggct gtttacccag      720
cnatgtnctn aacan                                                       735


        <210> 3507
        <211> 735
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(735)
        <223> n = A,T,C or G

        <400> 3507
natngnttgc tcctngttct ttttgcagga tcccatcgat tcgagacaac ccagaaacaa      60
attcatacat ctatggtgac cacttttgac aaaggaatga agaacataca ctgggggaaa      120
agataatgtc tttaataaat ggtgctggga aaactggntn tccantntgc agaagaatga      180
aactagaccc ccatctctta gcatatacaa aaatcaaaat taattaaaaa gttaaatcta      240
agacctcaaa ctatgaaaca gctaaaagaa aacatcgggg aatctctcca ggacattgga      300
```

1017

```
gtgggcaaag atttcttgtg taatacctga caaacaggca accaaagcaa aagtggacaa    360
atgggatcac atcaagttaa aaatcttctg cattgcaaag gaaataacaa agtgaagaga    420
cacccatgaa atgtgagata atatttgcaa actatccatc tgtattaggc catttttgaa    480
gtctacaaag aaatacttga gactgagtaa tttataaaga agaggtttaa ttggctcacg    540
gttttgcagg ctgtcaggaa gcatggtgct aacatctgat cagcttgtag ggaggcatca    600
ggaagtttcc acccatggtg gangcaaaag gggaataagt ttctccatgg caggtgcagg    660
gcaaaaanan gggggaaggg aagtgccnca caaccagatc ttgtgagtnc tcagatttgn    720
ggngggngct tgngg                                                      735
```

```
        <210> 3508
        <211> 735
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(735)
        <223> n = A,T,C or G

        <400> 3508
taaacatcng gctacttgtt ctttttgcag ggatcccatc gattcgaatt cggcacgaga     60
cactgtccca ctccatcacc caggctggag tccagtggtg tgatcatagc tcgctgcatc    120
ctccagttcc tgggttcaag ccatccctcc tgcctcagcc tccccagtag ctggaactac    180
aggtgtgtgc catcacacct ggctttacat ttttctgtgg ggtcttacta tgttgcccag    240
gccggtctca aactcctgag ctcaagtgat cctctgcctc agcctccaga gtatctggga    300
ttacatatgt cggctaccgt gtctggccgt tcacatcttt ggccactatt tgcttgtgaa    360
aaggtataat gaggtggtac ttatcatttt tactgngtct catgttttgt atattttgt     420
ttcatcaact aagatgcact gtaacatctc tgaaatctgg atatattatc aatggtttat    480
catagttttg ttagcaatac actgtctttt agtggtgcct aaaataatgg tatagttgtg    540
aggtgatctt agatttgatg aagcacagta tgcaggtagg cctaatgggg gaagatggta    600
atataaaagc aagaagtatt ttttttttgt aatgactgaa agctgtctgt ggatgaccta    660
cccttnctt  taaacacgat tntntcactt ncaactncaa acttgctcaa ctaatncttt    720
aaaaataact tgagc                                                      735
```

```
        <210> 3509
        <211> 756
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = A,T,C or G

        <400> 3509
tnaaannnnn tngctncnnn nnnnnntttt aaacaanagc tcttgttctt tttgcaggat     60
cccatcgatt cgaattcggc acgagggata ttcattaccc tgagaatgaa atgacctgca    120
attcgaaaat cagctgtatc agttggagta gttaccataa gaacctgtta gctagcagtg    180
attatgaagg cactgttatt ttatgggatg gattcacagg acagaggtca aaggtctatc    240
aggagcatga gaagaggtgt tggagtgttg actttaattt gatggatcct aaactcttgg    300
cttcaggttc tgatgatgca aaagtgaact gtgggtctac caatctagac aactcantgg    360
caagcattga ggcaaaggct aatgtgtgct gtgttaaatc agcccctctt ccagatccat    420
ttggctttcg gctgtgcaga tcactgtgtc cctactatga tcttcgtaac actaaacagc    480
caatcatggt attcaaagga caccgtaaag cagtctctta tgcaaagttt gtgagtggtg    540
aggaaattgt ctctgcctca acagacagtc agctaaaact gtggaatgta gggaaaccat    600
actgcctacg ttccttcaag ggtcatatca atgaaaaaaa ctttgtaggc ctgcttncaa    660
```

```
tggagattat atagcttgtg gaagtgaaaa taactctntt tcctgtccta taaangactt      720
tntaagactt tgctactttt aagttgatac agncaa                                756
```

        <210> 3510
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3510
```
tntnnatctt gctacttgtt cttttttgcag gatcccatcg attcgaattc ggcacgagaa      60
gtagaggagg aaagttcaga caatttcata agtgtctaaa aagagacagt tntgcgacca      120
ttggncgagg agtaaangtc gcttnttngn ncntttantt cactncaaat nganaaanga      180
antnccagtt tcctgacang cccaacccan tgctnggcca gttcctgagt ccacttaata      240
tatttaagag gaaaagatct nggaccacag gagaatggcg tggattgacc taccagatta      300
tgaccatgta gaagatgaac tttttcctcc tttccacctn cagcctntcc agagagacaa      360
gatggtgaag gaactgagcc tgatgaagag tcagggaaat ggacacctgt tcctgtcctn      420
caaagagaac agttaaaaga aatntcccaa gctggatgct cagagattaa tttcagagag      480
aggacttcca gccttaaggc atgtatttga taaggcaaaa ttcaaaggta aaggtcatga      540
ngctgaagac ttgaagatgc taatcagaca catggagcac tgggcacata ggctattccc      600
taaactgcag tttgaggatt ttattgacag agttgaatcc tgggaagtaa aaaggaagtt      660
canatgaagt tgcngagaat atgacatgag gccttctact gaatagatcc tttctgacaa      720
cttattgaaa gtganatgtt gcttctgagt a                                     751
```

        <210> 3511
        <211> 736
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(736)
        <223> n = A,T,C or G

        <400> 3511
```
tacaggctac ttgttctttt tgcaggatcc catcgattcg atcacagggg aatgttagaa      60
gtgttttatt aatttctttg tcagacaagt gtttaggaaa ctctcactcc aggcctaatg      120
ctgtgctagg ctctgcaaat gctaagaggg ggaagttact gtccctgctt ccaaggagat      180
catgggtcta gtgggaaacc cgacacgttc aggtaccttc agatgggcac tcagaagagt      240
aagcccttag ttaatgttta aagatgttta aagatgtctg agactcatag gtcaaagtca      300
gatttcagtt ccaccttatt agacctgcac tgctaaggag ctgctttagg taaggctgtg      360
ttcctagtca ccagggtgtt caaacacagt gctgggggca atgtgggaat agccttcttt      420
tatttaggaa gtaatgtgaa gtcagtttca tgaatagatc ttactttaag cattcattga      480
gggttttggc aagaatagag taccgtatat gaaggtgttt cctaatctnc ctgcaccagg      540
aataatctag ggctcattan agatgtcaaa gatctggtct agtttcttaa cctaaaacaa      600
gagtgtttta attccatttt ataggcgggg agtctgagcc aaacatgtta tgtcactttt      660
ccaagcttca tancacaaaa gtcttctgtc ttcccatcct gactttncca cttcataggg      720
actgtcaaag gcagcn                                                      736
```

        <210> 3512
        <211> 772
        <212> DNA

```
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(772)
            <223> n = A,T,C or G

            <400> 3512
gnnntttnnt tttnnnnntn anagnaaaan cttttttgcta cttgctcttt ttgcaggatc    60
ccatcgattc gaattcggca cgaggagaag ctgacgggca tgtggtggaa acngctggtg   120
gcccggcgca gtggcaggtg cccgtgtcac ggacaggcac ggcccctctg gaccgcttaa   180
aggtcttcat gcaggtccat gcctcaaaga ccaaccggct gaacatcctt ggggggcttc   240
gaagcatggt ccttgaggga ggcatccgct ccctgtggcg cggcaatggt attaatgtac   300
tcaagattgc cccgagtcaa ctatcaagtt catggcctat gaacagatca agagggccat   360
ctggggcagc aggagacact gcatgtgcag gancgcttcg tggctggctt cctggctggt   420
gccacaaccc aaaccatcat ttaccctatg gaggtgctga agacccgctg accttncgcc   480
ggacgggcca atataagggg ctgctggact gcgccaggcg tattctggan agggaagggc   540
ccgtgccttc taccgcggta cctcccaacg tgctgggcat catccctatg cggcatngac   600
ctggccgcta cnagactctg aanaactggt ggcttaacan tacaagccac gactcggaaa   660
accaagcatt ctctgcttct ggctgcggac catatcaaca ctgcggcaaa tagccantta   720
cccgttggcc ttgtccggac ccnatcagcc aaccgtggta ttccataaca an           772

            <210> 3513
            <211> 778
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(778)
            <223> n = A,T,C or G

            <400> 3513
agnnnnnnnt tttnngcnan ngnaaacttt ttaangaagc tttaatannc ctttctctgg    60
atccctcgag gcgaattcgg cacgagctac acagttccca ttcnttacct taacnttgta   120
ctgagagaga cccaggtctg acctgtatag cagtttgagt cgaggggctg tcaaaggggt   180
tgccaaagtc atctaaagga cttggcacca gaagtagcat tatgacttng gatccacttc   240
tttatagacc aatattggca gccatgaagc tgcttgtcct gggtgcggaa ttcagtttta   300
gtggctgaat gcacagacag caggaagaga gaatagggga caatgaacaa cagagagaga   360
agaaatgcag tgtgtaggga acctgcaggt ggtaacagtt gaaactcata tcaatgatct   420
tgcctatttta ccactccatg tgcctactct ggctgtctaa tccagcagta accagtattg   480
nattctaggg ccttccccaa attggagcta cccccagaat ttctcangct tttaattcct   540
gaaaatcttt taaactaaaa cttctangtc agttgtcccc aggggaactg aggctgtttc   600
tacctgctgc attgtcagca aaacttgcta catgctaatt attccacttt cagtgaagca   660
atcaatgagt gacagtagga aataactttg anagttggtt ggttcctaac atggcctctt   720
aataatggaa atgagaccaa attggggacc taatnttgcc aaggaanaat ggnnaggt     778

            <210> 3514
            <211> 778
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(778)
            <223> n = A,T,C or G
```

```
        <400> 3514
agnnnnnnnt tttnngcnan ngnaaacttt ttaangaagc tttaatannc ctttctctgg      60
atccctcgag gcgaattcgg cacgagctac acagttccca ttcnttacct taacnttgta     120
ctgagagaga cccaggtctg acctgtatag cagtttgagt cgaggggctg tcaaaggggt     180
tgccaaagtc atctaaagga cttggcacca gaagtagcat tatgacttng gatccacttc     240
tttatagacc aatattggca gccatgaagc tgcttgtcct gggtgcggaa ttcagtttta     300
gtggctgaat gcacagacag caggaagaga gaatagggga caatgaacaa cagagagaga     360
agaaatgcag tgtgtaggga acctgcaggt ggtaacagtt gaaactcata tcaatgatct     420
tgcctattta ccactccatg tgcctactct ggctgtctaa tccagcagta accagtattg     480
nattctaggg ccttccccaa attggagcta cccccagaat ttctcangct tttaattcct     540
gaaaatcttt taaactaaaa cttctangtc agttgtcccc aggggaactg aggctgtttc     600
tacctgctgc attgtcagca aaacttgcta catgctaatt attccacttt cagtgaagca     660
atcaatgagt gacagtagga aataactttg anagttggtt ggttcctaac atggcctctt     720
aataatggaa atgagaccaa attggggacc taatnttgcc aaggaanaat ggnnaggt      778


        <210> 3515
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 3515
gnnttttnan nnnnnnnntt ttaaaanatc aagttcttgt tcttttttgca ggatcccatc     60
gattcgaatt cggcacgagc cggagagaag cagcaggagg gcggcggcgc cgtgcgctgc     120
gacacacctg ccaactgcac ctatcttgac ctgctgggca cctgggtctt ccaggtgggg     180
ctccagcggt tcccagcgcg atgtcaactg ctcggttatg ggaccacaag aaaaaaaaag     240
tagtgggtgt accttcagaa gctggataca gcatatgatg accttggcaa ttctggccat     300
ttcaccatca tttacaacca aggctttgag attgtgttga atgactacaa gtggtttgcc     360
tttttaagg atgtcactga ttttatcagt catttgttca tgcagctggg aactgtgggg     420
atatatgatt tgccacatct gaggaacaaa ctggttatta aatagagcat ctgttgaggg     480
actcttttaa aaccacagcc atgaacagac gttggggcta agagacagac agcctgcgac     540
agtgtggacc tacctgtagc agctagcaaa ggcctctagc agctacagtc ccttctggag     600
tctttatttg catgcaaaat gcaaaggagt cctggtgacc tactccaagc actgcccttc     660
tgaacactcc ttggaaaaca gtaaacatca ttttggaatg tgaacaacca gagactnccc     720
aggagaaagg aaaaaaaaat tntgaagatg caaaatcttg ggtggcttca ccgtcaattt     780
ttaa                                                                784


        <210> 3516
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 3516
gnntttnnnn nnnnnnnttt tnnnnatcag ctctgttctt tttgcaggat cccatcgatt     60
cgaattcggc acgagcacag tccttctgga gccagacccg aagccacagt agcagtgcca     120
gctcagcaga aagtcaggac agcangagga ggaagaaaan gaaggaaang aaaaacncag     180
gaancntaaa aggcttagga ncttangaaa cntgcaggcn ctgaagtgga attggaaaaa     240
```

1021

```
nccaaaaccc caancccang aaaangagtc aanganganc aangntaaga gaaggagaag    300
gagaaggatg accaaaangt gaatctgcct gtgtaaaagg cagatttttt aattgcttaa    360
tactaagtca tctgttttnaa atttggtata tgtaagagat tcaagccttg naatatgaca  420
tggaagaccc tgtgctgcac ttaaatatgc ttgcttgatt atttgatttt acatcagagc   480
tttataacac gaactttgt ccagaattgt gagttgtgcc atgttacatg aganggtttt    540
gctagggcct attatttta ccaccattaa ttagttgggg tggagtttac tgtaatgtga     600
aatttcccat ttgaatttt aatggctggc aaagctgntt tagtcttaaa ttcancggat     660
gattgctgaa tcattncacc ctgtatgtcc ttttggntnc atnaaagttt cagtaacttt    720
caaaaaaaaa nnnnnnnnnn nnnnaa                                        746
```

```
        <210> 3517
        <211> 777
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(777)
        <223> n = A,T,C or G

        <400> 3517
gnntttnnnn nnnnnnnntt ttatannata cagctcttgt tctttttgca ggatcccatc   60
gattcgaatt cggcacgagg aaaggacagt gctacttgta tatgaaggtt atagaacgag    120
cggctttttcc tcggcgtctc tgggaacggg tccggcttag taaaaactat gagaaagcac  180
tggagcaaat agatgaaaat ctgatttact ggccccgttt cattcgacac aaatgtaagc   240
agagattcac caagatcacc caatcctaat tcgaattaga aaacttcact aaagcgacag    300
aggaaacttg ttcctttgag taagaaggtg gagcgtaggg agaaaagaag agaggaaaag    360
gcattaatag ctgctcagct ggacaatgcc attgagaagg aattactgga gagactgaac   420
aagatacgta tggcgacatc tacaacttcc cattcatgcc ttcgacaaag ccctggaaca    480
acaggaggca gagagtgact cttcagatac tgaggaaaaa gatgatgatg atgatgatga    540
ggaagatgtg gggaaaagag aatttgtcga agatggtgag gtagatgaga gtgacataag    600
tgatttgag gatatggata actggatcca gcagtgatga agatcaggat ggtaaatcct     660
ccatgaggag gaggaagaaa aggccttatg cgaaacacaa angcnaaatg cccttganag    720
gncctgcgga naaaccaacc tnttggaaat ngaatncaac nggagacaaa cccgtgg       777
```

```
        <210> 3518
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3518
taannnatac agctacttng ttctntttga agcnctttnn ananatacan gctacttgtt    60
cttttttgcag gatcccatcg attcgggcct ccccacccct gctgcacacc tacactgaag  120
gaaggctatt tgcagatgca gcaagaangc agccatctgc aaggcagaag aagagaccct   180
caccaggaac tgaataagtc agtcagtctg ggacttccac ctctagaact gtgaaacaat   240
aaatttctgt ggtgtaagca actcaatcta tagtagtttg ttactatttt gttatagcaa   300
ccaaagatga ctaaccagac aggttatgtc actcgccaag tgtcttggtc tgtttgtgct   360
gctataacaa aataccttag actgggtaat ttacaaacaa cagagatgta tccagagatc   420
cacagttctg gaggctgaga agtctaaaat caaggcacca gcagattcca catctcgtga   480
aggctcactc tctgcttcac agatggcact gcttgctgtg ttctcacatg gcagaagggg   540
caaacaagcc ccctgggcc tcttttataa aggcactaac tctatgccta aangcagggc    600
```

```
cctcatgact ctatcaccta ccaaaaggct tcacttcttt atactattgg angggtagaa    660
ngaacttcct ttctagacct tgaaaggtta agaaatttga atctattaaa caagctgaca    720
atngacagat taacaggaga aaaagcntat acatttttta atgtgggcca aatggcaaaa    780
gcttaaata                                                           789
```

        <210> 3519
        <211> 763
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G

        <400> 3519

```
tatagnatca gctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagcga     60
ataaagcaga aaaggagaga tcgctgaagg aaaagtctcc gaaagaagaa aaactgagac    120
tgtacaaaga ggagagaaag aagaaatcaa aagaccggcc ctcaaaatta gagaagaaga    180
atgatttaaa agaggacaaa atttcaaaag agaaggagaa gattttttaaa gaagataaag   240
aaaaactcaa aaaagaaaag gtttataggg aagattctgc ttttgacgaa tattgtaaca    300
aaaatcagtt tctggagaat gaagacacca aatttagcct ttctgacgat cagcgagatc    360
ggtggttttc tgacttgtcc gattcatcct ttgatttcaa aggggaggac agctgggact    420
cgccagtgac agactacagg gacatgaaga gcgactctgt ggccaagctc atcttggaga    480
cggtgaagga ggacagcaag gagaggaggc gggacaccgg gcccgggaga agcgagacta    540
cagagagccc ttcttccgaa agaaggacag ggactatttg gataaaaact ctgagaagag    600
gaaagagcag actgaaaagc ataaaagtgt ccctggctcc tttcggaaaa ggcaagaaga    660
ngagagagtc cncaaagccc ggccggacag aaggacccct ggaagctgca aggancncag    720
ggaccgcagg gccaacccna ggaggtgccc cggaggactn aat                      763
```

        <210> 3520
        <211> 821
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(821)
        <223> n = A,T,C or G

        <400> 3520

```
tnannnannc annnnnnnnn nnnntttga agccattgct acttgttctt tttgcaggat     60
cccatcgatt cgaattcggc acgagcaa ttccactcct agctccaccc acaggaaatt    120
gaaagcaaag acgcaaacag atgcctgtgc accaaagttc acgggcaagc atccttcggc    180
cttaatgggc agcattccgt cgtcacaagc gggcattcat cctttcatca atagcgggca    240
gcattccgtc gtcacaagcg ggcagcattc ctttcgccac aagcgggcag catcttgtcc    300
gtcacaagcg ggcagcatcc ttcgccaaag cgggcaagca tccttcgtca tagcggcagc    360
atcctttgcc atagcgggca aggtggaaac cctgtccatc cactgaggcg tgcatagact    420
aaacatggcc agtccaggca ctggaatcca ggcccgtaga acggcgccca cggtcaaaag    480
gaatgagacc ctgatgcact gggcgacaca gacgggcgac acagacttgg agacatcatg    540
ctaagtgaaa agccaggcac acggagcgga cggcgtgatc ctgctcacgt gatgtgtccc    600
gaatgggcac gttcagaggg aagaagggag atggcgcttg ccggtgcccg gggacngggg    660
ttgggagcga cggttgctgg tttggggttt ctttctgggg tgangaantg gttttgatat    720
ttggnccgtt ggtgatgttt gcatacctct gaatatgctt aaganccaca gaattgacca    780
ctttaaatgg atgaattgna tggtattggg aattacccaa n                       821
```

```
<210> 3521
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 3521
gnnntttnnt tttnnnnntn anagnaaaan ctttttgcta cttgctcttt ttgcaggatc    60
ccatcgattc gaattcggca cgaggagaag ctgacgggca tgtggtggaa acngctggtg   120
gcccggcgca gtggcaggtg cccgtgtcac ggacaggcac ggcccctctg gaccgcttaa   180
aggtcttcat gcaggtccat gcctcaaaga ccaaccggct gaacatcctt ggggggcttc   240
gaagcatggt ccttgaggga ggcatccgct ccctgtggcg cggcaatggt attaatgtac   300
tcaagattgc cccgagtcaa ctatcaagtt catggcctat gaacagatca agagggccat   360
ctggggcagc aggagacact gcatgtgcag gancgcttcg tggctggctt cctggctggt   420
gccacaaccc aaaccatcat ttaccctatg gaggtgctga agacccgctg accttncgcc   480
ggacgggcca atataagggg ctgctggact gcgccaggcg tattctggan agggaagggc   540
ccgtgccttc taccgcggta cctcccaacg tgctgggcat catccctatg cggcatngac   600
ctggccgcta cnagactctg aanaactggt ggcttaacan tacaagccac gactcggaaa   660
accaagcatt ctctgcttct ggctgcggac catatcaaca ctgcggcaaa tagccantta   720
cccgttggcc ttgtccggac ccnatcagcc aaccgtggta ttccataaca an           772
```

```
<210> 3522
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(819)
<223> n = A,T,C or G

<400> 3522
aaacagctac ttgttctttt tgcagggatc ccatcgattc gggagaaatg ctggccacag    60
atggtgctgc ccaacaggcc cataccactc gttccagtca gaggtgcttg gcctttgtgg   120
gatgaatgtt cgttggttca aatcaagctt tttccaaatg aacaaganca ctggncttta   180
ccatattttg gcaaggatcc gaaatcaagg gttcttcttt caaagtgctt gccaggggga   240
atcttgaaag aagggtaccc cttgcaacaa aacctggttc cctgtaaacc ctcttcttga   300
agggaatccc ctgcttgccc cacttggcat tttccaagtt tgcccttcct caagaatgta   360
ttaaaccccg aaccagggta cttgtcttgt gcccaagacg atcttgggaa acccggcccc   420
atgggatctg tacttgantg cttgctgagc ttcacccact gagagtttac ctctggagtt   480
cantgatgac ttggatgttg tgggtgatgg tatgcantgt ctncttaact ttgctttttg   540
atccttcact aacccttgaa gatcatttan tcaaagaaat tgcttgaaga cacantggat   600
attttgggcc anatgcaaat ggctggagat nggtgcagat cccanggatc tcgaaattct   660
gagaaagctt ttgnaccatt ggcttaaaat ggattggcta ctgcaaatgg gaagccagaa   720
ccacttttat tanttgatag tttggggaac catttacttt ggtggattna aattctcgtc   780
tttaaaagaa gtatttctga acatntttaa caaaaaaan                          819
```

```
<210> 3523
<211> 765
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 3523
taaanaatca gctcttgttc tttttgcagg atccctcgat tcgaattcgg cacgagcggg    60
actggtacca ccgcatcgac cccaccgtgc tgctgggcgc gctgccgttg cggagcttga   120
cgcgccactg gtacaggacg agaacgtgcg cggggtgatc accatgaacg aggagtacga   180
gacgaggttc ctgtgcaact cttcacagga gtggaagaga ctaggagtcg agcagctgcg   240
gctcagcaca gtagacatga ctgggatccc cacttggaca acctccagaa gggagtccaa   300
tttgctctca agtaccagtc gctgggccag tgtgtttacg tgcattgtaa ggctgggcgc   360
tccaggagtg ccactatggt ggcagcatac ctgattcagg tgcacaaatg gagtccagag   420
gaggctgtaa gagccatcgc caagatccgg tcatacattc acatcagcct gccagctgg   480
atgttcttaa agagttncac aagcagatta ctgcacgggc aacaaaggat gggactttg   540
tcatttcaaa gacatgatgt atggggatta gaaagaactc aagacactcc tgcttgatac   600
agaacaaaaa gagcttaaca ggaccaacan ggcttaaccc agacttgacg taacagaaat   660
gtgccaatag gtaataggta attttctttc tctgacttgg tttggtttct ttgaaataac   720
actgttgtgt nggctngaaa nggaaaaaaa aaaaaaaaaa aaaan              765


        <210> 3524
        <211> 763
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G


        <400> 3524
gnntttnaaa nnnncagntc ttgttctttt tgcaggatcc catcgattcg ccaggctagt    60
cttgaactcc tggcctcaag caatcctccc acctcggcct cccaaagtgc tgggattaaa   120
ggcgtgagcc accgtacctg gcccttggtg gaatctttag ggttttctat tcatacatat   180
aaaatcatat cattggcaaa cagagataat tttacttcct cctttccaat ttggatgcct   240
tagatttctt ttccttgcct aactgctctg tctagaactc ccagcactat gctgaataga   300
gtggcaagag caggcatttg ccttgttcct aaccttagag aaaaatcctt cagccttta   360
ccattgagga tgatgtttgc tggtagtttt tcataaatga tctatatcag gctgaataaa   420
tttctatttc taaaaaaaaa aannnannnn nnnnnnnnnn nnnnnaaaa aaaaaaaact   480
cgagcctnta nactatagng agtcgtatta cgtagatcca gacatgataa gatncattga   540
tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaa gctttatttg ngaaattggg   600
gagctattgc tttatttgna accattntaa gctgcaataa acaagttaac accaccaatt   660
gcttcattta tggttcaggt caggggagg tttggaggtt ttttaattcg cggccgnggg   720
ccaatgcatt gggcccggtc ccaacttgg tccctttagg gng                   763


        <210> 3525
        <211> 765
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G


        <400> 3525
```

1025

```
ggnnntttnn attatacagt tcttgccttt ttgcaggatc cctcgattcg aattcggcac      60
gaggtggcta tccatcaaca taagtaaaaa aaaaaaacac tttnctccct cccccattta     120
gattatttat taacatattt taaaaatcag atgagttcta taaataattt agagaagtga     180
gagtatttat ttttggcatg tttggcccac cacacagact ctgtgtgtgt atgtgtgtgt     240
ttatatgtgt atgtgtgtga cagaaaaatc tgtagagaag aggcacatct atggctactg     300
ttcaaataca taaagataaa tttattttca cacagtccac aaggggtata tcttgtagtt     360
ttcagaaaag cctttggaaa tctggatcag aaaatagata ccatggtttg tgcaattatg     420
tagtaaaaaa ggcaaatctt ttcacctctg gctattcctg agaccccagg aagtcaggaa     480
aagcctttca gctcacccat ggctgctgtg actcctacca gggctttctt ggctttggcg     540
aaggtcagtg tacagacatt ccatggtcca gagtgctcag aaactcaaga taggatatgc     600
ctaccctcag ctactcctgg tttaaagttc agctctttga gtactcttca attctttcag     660
gacacttggg tggaattcag taagtttcct ntgaacaccc tgaaggtgc catccttaca       720
gactaantgg agacgtttcc agatcagccc aagtttacta tagag                     765
```

```
<210> 3526
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 3526
```

```
ttttaaana aancaggntt cctaatnctt gttntnnnga nacaggctac ttgttctttt      60
tgcaggatcc catcgattcg aattcggcac gagattctct caataatggc cagccgaaaa     120
gtacgcgctg ccaggcatct gcctccgcgg agtcattaaa ctcccacagt ggtcacccca     180
ctgctgatgt acagactttc caggcaaagc gccatattca tcaacaccgt cagtcttact     240
gtaattataa cactggaggt cagttagagg gcaatgcagc cacttcctat cagaagcaga     300
ctgacaaacc cagccactgt agccagtttg tgacacctcc gcggatgagg agacagttct     360
cagcacccaa tctcaaagct ggtcgagaaa ccacagtnta aatcagttac tggacaaact     420
tgaaatcatg gtggaagaaa cagacagtgt tagctcatga tttgatttgg ttctaccttt     480
ggccttgagt tcttattatt tacattataa atattaactg gttttatatt gttaagacaa     540
aacactggta aaagtttcaa cacctccctt ttgcttgtat accataaatg ggcagtttct     600
gaaattttgg ataaagcatc aagaactcct ttttctgaaa cgttcctcct tttttagtgc     660
ctaattaata tacttactta cacggaannn annnnnnnnn nnnnnnnnnn nnnnnnnnnn     720
nnnnnaaaac tcgnnccttt aaaactatag gggntcgttt acctaaatcc aann             774
```

```
<210> 3527
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 3527
```

```
gnnnntnnnt tnnnnnnnnt ttttaaaana ancagctact tgttcttttt gcaggatccc      60
atcgattcgc tcgagtnncn aggagacgtg cagctgtcca aggctctgtc ctatgccctg     120
cgccatgggg ccttgaanct ggggcttccc atgggagctg atggcttcgt gccccctgggc    180
accctcctgc agntgnccca gttccgcggc ttntntgctg aagatgtgca gcgcgtggtg     240
gacaccaata ggaagcagcg gttcgncctg canntggggg atcccannac tggncttnta     300
atccgggcca accagggnca ttccctgcan gtacctaagn tggagctgat gcccctggag     360
```

```
acaccgtagg ccctgcnccg atgctagtcc atggtacatt ctggaagcac tggcatccat    420
cctactcaaa ggcctgtcct gccanggaag gacgcacatt cacctgcccc angactgcct    480
ggagaccccg gtatcatcan tggcatgcgg tcccattgng aaatagctgn gttcatcgat    540
ggacccctgg ctctggcaaa tggaataccc ttctttcgtc tgccaatggg gtgatantga    600
cttcanggaa tactgatggc ttcctacttc caagtacttc aangaggccc tgcagntacg    660
ccctaccgaa accccnttcc ttgnntggtg atgaaaagac acaatgtaat agtncccnaa    720
cccantttca ganaaaggag gaggatccaa cattaaatat tanttataaa aagaattta     779
```

        <210> 3528
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 3528

```
gnntttgaaa ncccttttg atncctcttc tacttgttct ttttgcagga tcccatcgat     60
tcgaattcgg cacgaggttc ttcaaagcca accnagacag gcttagcagt tttagagctt    120
cagaacaaat tgccaaaagc cagagttgtt tatgctagtg caactggtgc ttctgaacca    180
cgcancatgg cctatatgaa ccgcttggca tatggggtga ggggtactcc atttagagaa    240
tcagtgattt tattcaagca gtagaacgga gaggagttgg tgccatggaa atagttgcta    300
tggatatgaa gcttagagga atgtacattg ctcgacaact gagctttact ggagtgacct    360
tcaaaattga ggaagttctt ctttctcaga gctacgttaa aatgtataac aaagctgtca    420
agctgtgggt cattgccaga gagcggtttc agcaagctgc agatctgatt gatgctgagc    480
aacgaatgaa gaagtccatg tggggtcagt tctggtctgc tcaccagagg ttcttcaaat    540
acttatgcat agcatccaaa gttaaaaggg ttgtgcacta gctcgagagg aaatcaagaa    600
tggaaaatgt gttgtaattg gtctgcagtc tacaggagaa ctngacatta gaagctttgg    660
aagaggccgg ggagaattga tgatttgttc actgccaaag ngtgttgcag cactcattga    720
aaacatttcc tgttcanaca ggaaaacttt ntagttacta ga                       762
```

        <210> 3529
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(770)
        <223> n = A,T,C or G

        <400> 3529

```
gntttnnnnn nnnnntttnt nnatacagct acttgttctt tttgcaggat cccatcgatt     60
cgcaggcgta ctgacaggtg gaccagcgga ctggtggaga tggcgacgct ctctctgacc    120
gtgaattcag gagaccntcc gttagganct ttgttgncag nnnancncgt naaaaacnat    180
gtnagnnttt ccgttgaana agggaaagag antnttcttn atgtttctga aaatgtgatn    240
ttcacagntg tgaattctat acttcgttac ttggctagag ttgcaactnc agctgggtta    300
tatggctcta atctgatgga acatactgag attgatcact ggttggagtc agtgctncaa    360
aattatcttc atgtgattcc tttacttcta caattaatga actcaatcat tgcctgtctc    420
tgagaacata cttagttggg aaactccttg agtttagcag atttatgtgt ttgggccacc    480
ctaaaaggaa atgctgcctg gcaagaacag ttgaaacaga agaaagctcc agttcatgta    540
aaacgttggt ttggctttct tgaacccagc aggccttnca gtcagtaggt ccaagtggga    600
tgtttcaaca ccaaagctcg agtggcacct gagaaaaaca agatgttggg aaatttgttg    660
agcttncagg tgccgganat gggaaanggt accggcagat ttcctccaaa ggccatgggt    720
```

acttacacat tgggcattcn aaaactgntc ttntgaccac actaccaggt   770

```
<210> 3530
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 3530
gntttnnnnn nnntnttnaa gntcttgcta cttgttcttt ttgcaggatc ccatcgattc     60
gcccgaggag cggagcagag gcacccaggc agcctgcgcg gagaaattgg atcggcgggg    120
acggcctgca gctcccgcgc gcggggaaag ggaagaagtc ctcccntaca aagcaaattc    180
ncaaacttgg aagaagcant ttacacagga tgtgcagatc tcaatggaag gacacgggaa    240
acgtgaaaaa gcaaggaagt ggggacgcct ccaaaggaac ccagtaattc tccagcaaca    300
gatccccatc caaaagaaat tcaagaaatg tcatatagag aattgtggaa actgattta     360
accaagatta gagggattca agagacttct gaaaaagaaa gtaaggaaat gtcaacagca    420
attctggata tggttgaggt atttaccaac cagatacaga gttttccaga gcacatggca    480
aatgtggaac tgaagaaatc actggatgaa atccaaagta tactcgaaag cttcaatgat    540
agactagatc aagcagaaaa aaaactctta aaacttaaaa tcttgaagct tttactcaat    600
tcaaatattt aatgggttgt ctctggccat tcangtgaac aaaatctgct gggttaattn    660
ttttttttt tgaaatggga tnttcgcttc tgtcgcccaa gcttggaatt ccattggccg    720
ggaccttngg nttactgnaa gcttccgctt ccaggttnac gccatttttc cttgcttaan    780
cttctn                                                              786


<210> 3531
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 3531
gntttnnnnn nnntnttnaa gntcttgcta cttgttcttt ttgcaggatc ccatcgattc     60
gcccgaggag cggagcagag gcacccaggc agcctgcgcg gagaaattgg atcggcgggg    120
acggcctgca gctcccgcgc gcggggaaag ggaagaagtc ctcccntaca aagcaaattc    180
ncaaacttgg aagaagcant ttacacagga tgtgcagatc tcaatggaag gacacgggaa    240
acgtgaaaaa gcaaggaagt ggggacgcct ccaaaggaac ccagtaattc tccagcaaca    300
gatccccatc caaaagaaat tcaagaaatg tcatatagag aattgtggaa actgattta     360
accaagatta gagggattca agagacttct gaaaaagaaa gtaaggaaat gtcaacagca    420
attctggata tggttgaggt atttaccaac cagatacaga gttttccaga gcacatggca    480
aatgtggaac tgaagaaatc actggatgaa atccaaagta tactcgaaag cttcaatgat    540
agactagatc aagcagaaaa aaaactctta aaacttaaaa tcttgaagct tttactcaat    600
tcaaatattt aatgggttgt ctctggccat tcangtgaac aaaatctgct gggttaattn    660
ttttttttt tgaaatggga tnttcgcttc tgtcgcccaa gcttggaatt ccattggccg    720
ggaccttngg nttactgnaa gcttccgctt ccaggttnac gccatttttc cttgcttaan    780
cttctn                                                              786


<210> 3532
<211> 783
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3532
gnntttnnnn nnnnnntttt aaantacttg ctacttgttc tttttgcagg atcccatcga     60
ttcgcccgag gagcggagca gaggcaccca ggcagcctgc gcggagaaat tggatcggcg    120
gggacggcct gcagctcccg cgcgccgggg aaagggaaga agtcctcccn tacaaagcaa    180
attcacaaac ttggaagaaa cantttacac aggatgtgca gatctcaatg gaaggacacg    240
ggaaacgtga aaaagcaagg aagtgggacg cctccaaagg aacccagtaa ttctccagca    300
acagatcccc atccaaaaga aattcaagaa atgtcatata gagaattgtg gaaactgatt    360
ttaaccaaga ttagagggat tcaagagact tctgaaaaag aaagtaagga aatgtcaaca    420
gcaattctgg atatggttga ggtatttacc aaccagatcc agagttttcc agagcacatg    480
gcaaatgtgg aactgaagaa atcactggat gaaatacaaa gtatactcga aagcttcaat    540
gatagactag atcaagcaga aaaaaaactc tcaaaactta aaatctgaag gcttttactc    600
aattcaaata tttaatgggt tggactctgg ccattcangt gaaccaaaat ctgctgggtt    660
aatttttttt tttttgana tggaatctng ctnttgtcgc ccagcttgga atcaattgcn    720
ggacctcggn tnattgcaag cttccgcttc caggttcacc cattnttctg ccttancctn    780
ctg                                                                 783
```

```
<210> 3533
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3533
gnntttnnnn nnnnnntttt aaantacttg ctacttgttc tttttgcagg atcccatcga     60
ttcgcccgag gagcggagca gaggcaccca ggcagcctgc gcggagaaat tggatcggcg    120
gggacggcct gcagctcccg cgcgccgggg aaagggaaga agtcctcccn tacaaagcaa    180
attcacaaac ttggaagaaa cantttacac aggatgtgca gatctcaatg gaaggacacg    240
ggaaacgtga aaaagcaagg aagtgggacg cctccaaagg aacccagtaa ttctccagca    300
acagatcccc atccaaaaga aattcaagaa atgtcatata gagaattgtg gaaactgatt    360
ttaaccaaga ttagagggat tcaagagact tctgaaaaag aaagtaagga aatgtcaaca    420
gcaattctgg atatggttga ggtatttacc aaccagatcc agagttttcc agagcacatg    480
gcaaatgtgg aactgaagaa atcactggat gaaatacaaa gtatactcga aagcttcaat    540
gatagactag atcaagcaga aaaaaaactc tcaaaactta aaatctgaag gcttttactc    600
aattcaaata tttaatgggt tggactctgg ccattcangt gaaccaaaat ctgctgggtt    660
aatttttttt tttttgana tggaatctng ctnttgtcgc ccagcttgga atcaattgcn    720
ggacctcggn tnattgcaag cttccgcttc caggttcacc cattnttctg ccttancctn    780
ctg                                                                 783
```

```
<210> 3534
<211> 772
<212> DNA
<213> Homo sapiens

<220>
```

```
        <221> misc_feature
        <222> (1)...(772)
        <223> n = A,T,C or G


        <400> 3534
gnntttnnnn nnncntnttt atnaatacag ctcttgttct ttttgcagga tcccatcgat      60
tcgaattcgg cacgaggaac caagaaaata tttaaaaatc taagcagtcc tttgctcatt     120
aaaggataaa tcagtagtta acactttttc tacaaagaaa tgggtgtgcc tggatgggtc     180
gtgtaggtga gttttccaag gattatggta acaaatgagt gagacctcta tggagaaaat     240
attgaaggac attaaagaag acctcataaa tggagagaga tatatcatta atggataggg     300
aagcctcaat ggcataagta tgtcagtttc tttcaaaact cacctatgga ttcaatgtga     360
ttccaaacca aatcccacaa ggtctttcct ggaattggaa gccagattct gaaatgtatt     420
tggaaaagta aagaggcagg gttagctatt tcattaacaa agaaggaaca tcaggcaggg     480
agacttgtgt tattattaag gcttattata aattattatt gtgatcaaga tagtgtattt     540
ttggtgtaga gatagttaaa ttgccaatgg attgagccaa atttncaaaa cagacccaca     600
aataaatgaa ctctaattta caacagagac agtactgcag atcatggggg gaaaggatga     660
actattgagg gattggcaac ttttttggta aggctanaca gccttacgtg gggtcacagt     720
gtctgtggaa ntaggcacct ctgctgnggt attgtaagan cactntganc at           772


        <210> 3535
        <211> 781
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(781)
        <223> n = A,T,C or G


        <400> 3535
gnnnttttna annnnctngt ttcnngnatc anttccaagc cttngtgcag gatcccatcg      60
attcgaattc ggcacgaggg gattacaggc atgacccacc gcgcccagcc tgtaatttct     120
tatactttgt attttgtact tgtattatgc ttctgaatac gctataatta tttatgtaca     180
tgtttttttt cttcaataga ctggtggaac tcttcgaatg tagggactcc tagagctaga     240
tactcaatta ttttttatta aattgaatga cttgaaacta cagatccttt atttaaactt     300
cccaaatttc tgctttatct aggcaactct ttaaattctt ttatctcatg tagatttcaa     360
aggctgaaat aattgagatt ttttagtttg aagaaaagag aactgaggat ttaatgtcat     420
tattattata ttttaatgg actgtttggg agtaagttgc agacattgtt cactttcact     480
cctaaatact taaatatttc ctaaaaacag gacattcttt ttttttttta tggagtctgg     540
ctctgtcgtc caggctggag tgcggtggca cgatcttggc ttactgcaag ctcccccttc     600
cagattcacg ctgtctcctg cctnactgct cgggangctg angcagggga atcgcttgac     660
ccnggangcg gangttgcan anagcctaaa cgggccattg gactccagct gggtaccaag     720
aaccggacct ccgttggaaa aaaaaaaaa aaaaactnng cctttanaac tttnggggc     780
g                                                                   781


        <210> 3536
        <211> 768
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(768)
        <223> n = A,T,C or G


        <400> 3536
```

●   ●

```
gnntttnnnn nnnnnnnttt taagntactg ctacttgttc tttttgcagg atcccatcga    60
ttcgaattcg gcacgaggtt cttcaaagcc aaccaagaca ggcttagcag ttttagagct   120
tcagaacaaa ttgccaaaag ccagagttgt ttatgctagt gcaactgggt gcttctgaac   180
cacgcaacat ggcctatatg aaccgcttgg catatggggt gaggggtact ccatttagag   240
aattcaagtg attttattca agcagtagaa cggagaggag ttggtgccat ggaaatagtt   300
gctatggata tgaagcttag aggaatgtac attgctcgac aactgagctt tactggagtg   360
accttcaaan ttgaggaagt tcttctttct cagagctacg ttaaaatgta taacaaagct   420
gtcaagctgt nggtcattgn cagagagccg gntcagcaag ctgcagatct gattgatgct   480
gancaacgaa tgaagaagtn catgtggggt cagttctggc tgtcaccaga ggttcttcaa   540
atacttatgc atagcatcca aagttaaaag ggttgtgcac tagctcgaga ggaaatcang   600
aatggaaaat gtgtngtaat tggctgcagt ctcaggagaa gctnnaacat tagaactttn   660
gaagaaggcn ggggagaatt gatganttgg ttcaactgcc aaagtgtgtg cantcactca   720
ttggaaaaca tttnctgctc cagcngggaa aacttatggt tacttggn               768
```

        <210> 3537
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 3537

```
agcnnnnnnn ttnnnnnaat aaactctttg caacttcnct ttttgcagga tcccatcgat    60
tcgcccagga tgaactggtt gcagtggctg ctgctgctgc ggttncgctg agaggacacg   120
agctctatgc ctttccggct gctcatcccg ctcggcctcc tgtgtgcgct gctgcctcag   180
caccatggtg cgccaggtcc cgacggctcc gcgccagatc ccnccactac aggggagcga   240
agtcaaggcc atgttctacc acgcctacga cagctacctg gagaatgcct ttccttcgat   300
gagctgcgac ctctccctgt gacgggcacg acacctgggg cagttttctc tgactctaat   360
tgatgcactg gacaccttgc tgatttgggg aatgtctcag aattncaaag agtggttgaa   420
gtgctccang acagcgtgga ctttgatatt gatgtgaacc ctctgtgttt gaaacaaaca   480
ttcnagtggt aggaggactc ctgtctgctc atctgctctt caagaangct ggggtggaag   540
tagaagctgg atggccctgt ccggcctnt ctgagaatgg ctgaagaagc ggccgaaaac    600
tcttccaacc nttcaaaccc actggcatgc catatggaca gtgaacttac ttnatggggt   660
gaacccagga aaaacccctg tcacctgtcc ggaaggattg ggaccttnat ggtgaattgc   720
cacctgacag ctnntggtga accgtgttca anaan                              755
```

        <210> 3538
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 3538

```
gnntttgaaa ncccttttg atncctcttc tacttgttct ttttgcagga tcccatcgat     60
tcgaattcgg cacgaggttc ttcaaagcca accnagacag gcttagcagt tttagagctt   120
cagaacaaat tgccaaaagc cagagttgtt tatgctagtg caactggtgc ttctgaacca   180
cgcancatgg cctatatgaa ccgcttggca tatggggtga ggggtactcc atttagagaa   240
tcagtgattt tattcaagca gtagaacgga gaggagttgg tgccatggaa atagttgcta   300
tggatatgaa gcttagagga atgtacattg ctcgacaact gagctttact ggagtgacct   360
```

```
tcaaaattga ggaagttctt ctttctcaga gctacgttaa aatgtataac aaagctgtca    420
agctgtgggt cattgccaga gagcggtttc agcaagctgc agatctgatt gatgctgagc    480
aacgaatgaa gaagtccatg tggggtcagt tctggtctgc tcaccagagg ttcttcaaat    540
acttatgcat agcatccaaa gttaaaaggg ttgtgcacta gctcgagagg aaatcaagaa    600
tggaaaatgt gttgtaattg gtctgcagtc tacaggagaa ctngacatta gaagctttgg    660
aagaggccgg ggagaattga tgatttgttc actgccaaag ngtgttgcag cactcattga    720
aaacatttcc tgttcanaca ggaaaacttt ntagttacta ga                      762
```

```
        <210> 3539
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G

        <400> 3539
gnntttnnnn nnnnnnnttt tatnnntaca gctacttgtt cttttttgcag gatcccatcg    60
attcgaattc ggcacgagac taccccggct acggttcccc catgcctggc agcttggcca    120
tgggcccggt cacgaacaaa acgggcctgg acgcctcgcc cttgcccgca gatacctcct    180
actaccangg ggtgtactcc ggcccattat gaactccttt aagaaagacg acggcttcag    240
cccggtaact ctggcacccc ggatcgagga caagtgagag agcaagtggg ggtcgagact    300
ttggggagac ggtgttgcag agacgcaagg gagaagaaat ccataacacc cccaccccaa    360
cacccccaag acagcagtct tcttacccgc tgcagcccgt ccgtccaaac agagggccac    420
acagataccc cacgttctat ataaggagga aaacgggaaa gaatataaag ttaaaaaaaa    480
gcctccggtt tccactactg tgtagactcc tgcttcttca agcacctgca gattctgatt    540
ttttggtggt gtgtctcctn cattgctgtt gttgcaggga agtcttactt aaaaaaaaaa    600
aaattttgtg agtgactcgg tgtaaaacca tgtagtttaa cagaaccaga nggttgacta    660
ttgttaaaaa caggaaaaaa ataatgtaag gtctgttgta aatgaccaan aaaaaaaaa    720
aaactcngcc tntaaactnt tntgagtcgt nttcgtaaat ccaan                    765
```

```
        <210> 3540
        <211> 820
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(820)
        <223> n = A,T,C or G

        <400> 3540
nnnnnnnnnt tnnnnctntg aagnnatagc tacttgttct ttttgcagga tcccatcgat    60
tcgaattcgg cacgagatat ttgtacatgc atatttcaaa gacctgttaa tggtgtccac    120
tttggattct tacatgaaac gattcaagtg gcncattggt aaggcctaan ggaccacgcc    180
aaaangggtt cccaacttat ttaaaggtat ttcaagtacc cttccaaaaa ngttaaatgg    240
catttaagac actttcanga atggttaaac tggcttctaa aacaaaaact ccctaaagtc    300
tggtccctat gcaatatata tttntaatat accatatata tttttttacca taggaatact    360
cacaaaagtg caagccaata ataacattgg caagaaaaag taatacatat ctgctaggtg    420
acaatatcaa acaattcagg ggaataattt tactttaatt aacattaaca gaatttcttt    480
ttccacttca aatcaatcat atttctgtca tctccaacct aagatatttt ttagattgtc    540
tccctattct ttgattcaaa agccaattac agaaactatg aacttgacct aattctggtt    600
tttgacaatt atgagacaga aataaagaaa tgcaagcagt tcttttcttt gccactgacc    660
atttttttaat tcatcatcct ctatgatgat ggtgctttca caactgcagc tctnctgtat    720
```

```
gtcaaaatca ttctggttnc aggtaaatgg acaaanggag atttgccttc agtgtctaaa    780
aggcaattta cttttcaagc tgncttaatt acctatgggt                          820
```

```
        <210> 3541
        <211> 767
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(767)
        <223> n = A,T,C or G

        <400> 3541
nnnnnnnnnt nnnnnctntg aagcnanagc tcttgttctt tttgcaggat cccatcgatt     60
cgaattcggc acgaggctat gctaaacagc ctttacatgt atggtctggt taaagttcct    120
ttgttccttt tgttttaata aaatgtgtca ctgatttttt agctcaaaaa tcatcactgg    180
taattccaag cccccaaaat atggttaaaa agatttttt tttaatcatg aagagaaaat     240
tagtagcatt ctttctctcc cattatttat tggttttcct cactaatctt ttttttttta    300
gtccaaaagc caaaaatatt tatcttggtt ttacatttta atttccattc ttaattgtaa    360
ttttttctt taaataagga aaccaatata atctcatgta taaaaactta aatattttac     420
aagttacata tagcatcatt ctaaaataag aattttttt gntttctgtc tgcttttttc     480
ttatgtctct tgntgagttt tatatttca gtggttattt ttgcttgngt tagatcatta     540
ttaaaatata tccaatgncc ctttgatact tgngctctgc tgagaatgtc cagtttgcat    600
taaacatccc agtctcatcc ttcaggaatt tgcagtcaat gagaagangg agacaaattt    660
aaagatgagg acagaagcat ctntacagat gaaaattacn taaataaaac attctccatc    720
aacactaaaa aaaaaaaaa aaaactcgac ctttagaact ntagggn                   767
```

```
        <210> 3542
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G

        <400> 3542
ttaagctana gctacttgtt cttttttgcag gatcccatcg attcggtcgg gtctccaacc     60
tcattaagca ccacagggtt cacactggag agaagcccta taagtgcagt gactgtggga    120
aagcatttag tcagagcttc cacccttatt cagcatcggg agaaattcac actgggagaa    180
aaagcctcac gttgtggtaa atggtatgtg ggaaaagccc tttagttata gcttcagtgc    240
tcccgaaagc accagatcat ccacacggga gagaagccgt acagatgcag tgtctgtggg    300
aaggccttca gccacagctc agccctcatt cagcaccagg gcgtgcacac aggcgacaag    360
ccctacgcct gcacgagtgt gggaagacct ttggtcgcag ctccaacctc atccttcacc    420
agcgagtcca cactggagag aagccctatg aatgtactga atgtggaaaa accttcagcc    480
agagctcaac cctcattcag catcagagga ttcataatgg gctgaagccc catgaatgta    540
ccagtgtggt aaagccttca ccgaagctca atctcattc accaccagaa agttcatact    600
ggggaaaaac cctacacctg tgttgaatgt ggtaagggct tnagccagag ctacacctna    660
ttcagcatca gataatncac acgggcgagc gcccctacaa atgcatgagt gtgggaaagc    720
cttaatcagc gtctgncctn atcancacca gaggattaca ctggg                    765
```

```
        <210> 3543
        <211> 734
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 3543
```
gcttgnctnc tnccttttca aatngctngg ctactngttc ttttntgcagg atcccatcga    60
ttcgaattcg gcacgagagt ggctggataa aaggatgtgt gggaaagaac tgagttgaaa   120
ttaggagtta gaattttatt ctttggtact aaggaatcat tgaagatttt aaaattaggg   180
ctgacataat cagatttgag tttgggaacc tatagtttgg gactggagga agacaggtgc   240
cagacaccag ttaaaaagct gttattttct aagcagtaga caaaggttta cactgacaat   300
agctgtggag atagagaaaa gctgcgagat ttcagagttt tccaaggtgt aaacaactaa   360
attttgtgat caaaatgata agggccatct aataagctgg ggaatgtggg atctgtcttg   420
gttgagttgg tggattaact ganattaaca gagctggagg aaatgtaaaa agaaaggcag   480
gattgttcat tttgtctttt gtttgtttnt ggggaacagg gtcaaaattt tcattctgcc   540
taangtaggt tttagtcttt ttcaaaacat tctagtaggc aagtctgtag ctgaatcttt   600
ggaagaaagg caaccattag taatattttt tgaagttccc tacctggtta atttttttcaa   660
taaaaaactn aggttctcag gttagcnaga atcatggtct taggaagggt ancttgtaag   720
acccaaaatt atnt                                                      734
```

<210> 3544
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 3544
```
gnntttnnnn nnnnnnnttt taagntactg ctacttgttc tttttgcagg atcccatcga    60
ttcgaattcg gcacgaggtt cttcaaagcc aaccaagaca ggcttagcag ttttagagct   120
tcagaacaaa ttgccaaaag ccagagttgt ttatgctagt gcaactgggt gcttctgaac   180
cacgcaacat ggcctatatg aaccgcttgg catatggggt gaggggtact ccatttagag   240
aattcaagtg attttattca agcagtagaa cggagaggag ttggtgccat ggaaatagtt   300
gctatggata tgaagcttag aggaatgtac attgctcgac aactgagctt tactggagtg   360
accttcaaan ttgaggaagt tcttctttct cagagctacg ttaaaatgta taacaaagct   420
gtcaagctgt nggtcattgn cagagagccg gntcagcaag ctgcagatct gattgatgct   480
gancaacgaa tgaagaagtn catgtggggt cagttctggc tgtcaccaga ggttcttcaa   540
atacttatgc atagcatcca aagttaaaag ggttgtgcac tagctcgaga ggaaatcang   600
aatggaaaat gtgtngtaat tggctgcagt ctcaggagaa gctnnaacat tagaactttn   660
gaagaaggcn ggggagaatt gatganttgg ttcaactgcc aaagtgtgtg cantcactca   720
ttggaaaaca tttnctgctc cagcngggaa aacttatggt tacttggn                768
```

<210> 3545
<211> 10
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(10)
<223> n = A,T,C or G

1034

<400> 3545

nnnnnnnnnn   10

<210> 3546
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(936)
<223> n = A,T,C or G

<400> 3546

```
ttangtgnac nccctggana accacttgnt ttttntgcag gatcccatcg attcgagnaa       60
atngtcctgc antcctatat gcngaatttt ntnnatatct tgacccaaaa taactggggt      120
aaaatatnta gtngaaacct tgtatatatt ataaacttag ctttgtaata ttaagtatga      180
aagcagcana natagatagt ctcagaagaa gaagaaaatg tataaatnct tggggagagc      240
tgtgataaan ngactagact tacctttgag ttcctagccg atccctacct gacagctttc      300
ccagctggga aaaatctgct tgggcaaggg aaaggggggaa tatgattatt ggangaactt      360
cccaccttat agggactggc aagaggggat acatgaccag gaatgaacc ataaaaggga      420
gagaaattgg acatttaaat tttacangga attaagatga gatctaagna taatttgaaa      480
gattttgaaa naaagagcca aatccgagga aagatgtaag gaaagtgatg gggangggaa      540
aaaaaattat gggatggtna agactttcta aagttaatgg ggggaggaaa tccaanggac      600
caccaagggt aaggtttaaa gaaggggaaa gganccaaag gaattttaan ggaacccatg      660
gttttttcan cccccagaac caggggagaa anccaaangg gaaaggaaag ganccggaan      720
ggcttggagc ccnccagggg gggcttncac cgnccctggt taattccccc accccncttt      780
ttggggggaag ggcccaaang gccgggggtgg aatccancgn angggcccng ggagaaatng      840
gaccanccca tnccnggggc ctaaaccacc gggggnaaaa cccccccttct tnttaccttta      900
aaaaaatccc caaaaaaaaa acccgccang gggcat                                936
```


<210> 3547
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 3547

```
tattatacan ctacttgttt tttttgcngg atcccatcga ttcgaattcg gcacgagatt       60
atacagttcc ccacattgaa gttgggaaga agatatatgg agagcagttg aagacataag      120
gggctctggg gaacagcata gttttgcttt aattctccag cttgttctca gtaagggtgg      180
aaggagaaag agaggaagta tcgattttac agacgtcaca tcgtactgct aagaacagac      240
agaaaacttg ttgtaataac ccgtacacac tgtaggagaa ctaaggaggc ccctggtgta      300
gcaatcattt tcccaaggat gacggattgt gaggcaggaa ggtgtgaaaa gaggcagtca      360
tttatataat tttggggttt ccgctgagga aacctgagtg aactcacttc agatgcattt      420
ggaatatttt aataaaaaat acttgatttt ggctgctgca ggaactgctg gaagaaggaa      480
acaatcctag aattggcata aaaacacact gactcattac tcctctttgt tactattagg      540
catcagagat acatgttttg ttgatttttag ttacagaaat gagacaaagt tgaatctgaa      600
tacattggct tncttgttca aggagctcct cttggatcac aatagctattt catgaaactt      660
ctttagagaa caaccatgat acttccaaca agctattta gaaacaaaaa ttatgctgga      720
tctaattact cctaaaatgg tcattttcaa tgaatattgc actgattct                  769
```


1035

<210> 3548
<211> 883
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(883)
<223> n = A,T,C or G

<400> 3548

```
gnnnnagnna gngnnnttnn nccntnttaa cctttnacan ctcttgnctt ttagcangat    60
cccatcgatt cgaattcggc acgagattta atcttccata agatntttcc tcagtgtctt   120
ttacttcttc tcctgccatc agattcttac cttgattgaa aagccatgtt aagtgcaagg   180
caaattcttt acgtctttat acagagatta acaatctctg ggtgatggga gcgttaagtg   240
attaaccttt gtcactagta natgtgggag gttagaaaag tgctgccctt tttgggtctc   300
agtccctcag ttctgcaatt acaggcagcc tcattattng gncaaatcta tgtaaaattg   360
atancncata tccaattaaa aaggatggtn agnggcaaaa aaaaagaga gagagattga   420
ttatnaccta gtccttgata gcccaacagg gngaatatag tccataataa ttggattggn   480
cattggataa taactaaaac cntaattgga ttgtccgaac acaaatatta agcttgaggg   540
gatggatacc ccatcttcca tggacgtgga ttattactga tggcatggcc tatggcaaaa   600
atatctcatc tgnggcataa gccccaaact aaggtncccg ccaggaatta aattnaccaa   660
nnnngccctc cgagncctct taaaaaccta ttagnggagg tccggtantt acccgtagga   720
atncccggac ccttggaatn aaggaatacc catttggatt ggaaattttn gggaccaaaa   780
ncccnccaaa cctttagnaa atggcccngt nggnaaaaaa aaaaaanggc cttttaaat   840
tttgggggga aaaaaatttt ggggggnaan ggccctattt tgg                    883
```

<210> 3549
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 3549

```
actattgaca cctcttgttc tttttgcagg atcccatcga ttcgctccct ctgcttcctc    60
aaacccaggc ttcgctgcct ctgcggagtt cttacctgtc tctcctttcc acccgggttc   120
cctggaggaa gctaaactca gaccaaggcc ctgggctccc caggagttaa aagggaatac   180
gctgtcccaa gattctagaa tgaagagtca acgtagcccg agtggcttaa acctcctgtc   240
cttaaatgca agaaatgttt tctatcgagc cctggacagg tgtctctgct ggcctggggt   300
tttcaacagg tcatgcctgc ctcagacccc aggacaaat gttcttccag ctctaactca   360
ttctatgctt taagcttttg acctatcttt gttttcccag tgccacacca aatgctgcct   420
ggggatctct ctttcttcct gagttcccat ataagaagcc ccccatttaa gaattcagtt   480
ggaatgggtt gtatttcaaa agttgctttg caagttagtt atttggattt caagttgcat   540
tttaccaggg taacaatatt ataatgattg gttaccttcc cagagcaatc cagaaatgcc   600
cacataaccc atgtcacacc tgaaccaccc tgagttcttc tatccttgaa cctcttaagc   660
tttnccctaa ctctaacagg tctcatggtc cactcaaggt gtttcatgct tctcaantac   720
gtccctttcc actgntgtct accctntntc caaacacaac acaaaaca                768
```

<210> 3550
<211> 769
<212> DNA
<213> Homo sapiens

1036

```
<220>
<221> misc_feature
<222> (1)...(769)
<223> n = A,T,C or G

<400> 3550
tttaaatcta tatacangct acttgttctt tttgcaggat cccatcgatt cgtaacagac    60
taaattttct ctgtaagagg ttatttccta gatagttaat attttggta ctactttgtg   120
ctgtatttta taactattaa ggaatgttgc agagaaatgc tatcaattgt taaaattttg   180
ccatgaatac agcagcctca ctgaattctc ttagtagttc taatagcttg ccatttgatt   240
ctaacaggtt ttctatgtaa aagatggtgt catcttcaaa caatgatagt ttcatttctt   300
ctctttcacc tcttaccttc cttgtgtttc tttagcattg ggcaggtcct tcagggatat   360
gtgaaacagt ggcagtaaca accagacatc ctggcctctt tgtttttttt tccatgatga   420
agtctcactc cgttgcccag ctggagtgca gtggcacgat ctcggctcac tgcagcctcc   480
acctcccggc ttcaagtgat tctcctgctc aaccccccaa gtacttggga ttacaggtcc   540
tgccactaca cccgactaat ttttgtactt ttagtaaaga cagggtttca ccatgttggc   600
cagctggttg agaattcctg acctncagtg atccacctgc ctcgtcctct ctaagttctt   660
ggattacaag tgtgagccac cacgcctgcc attgnggcct ctttattggt cttcttgaaa   720
atgccctgaa gtgtcttaat acacataatg ttgctgtaaa ncaatgatt              769
```

```
<210> 3551
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 3551
tgaacctttn tacacctctt gctctntttg caggatccca tcgattcgga aaaagagatg    60
ggtcagggag gaaagccaag atggaaaatg gatgggaatg aatgaggaac atgatgtggg   120
ttggggtgtc aattcatggt taatacaaca tgtgtggctc agtataacca gattgtcata   180
agaagctcag gcagctctcc ccctctgttg cctggggctt ttcgcagtta caataaaagt   240
ggaaagatga agaataaggg caagcagaag acacacacat ttgcctgttt ccctcttttt   300
gtccagattg agtagatggg aggcagggct gttacccatg atggtgtttc ataccagagt   360
caatctacta gtttgcttgg ttttataggc gtgattccca aattttgaat ctgaagttag   420
ctgtcagttt aaattcagag ggtccgcagt tgtttttcag gttttttcttg attctgcctt   480
tggaaaccag gaagatgttg aatttacttt tcatctgaca atattgcaca tctgtgaacc   540
caactgatct gaaagtgttt acctcttaac tctgtgaagt tagctggtta ttctggatgg   600
ctgggacaat ggtgaggacc gttataatgg ttactctcac ctgtgctcca gacgctccac   660
ttggtgctag aaatcacagt gaacaaacat ggttcttgcc tccacacact tgcagttant   720
agggcagact gacgacatta aaaagatcca tcggggtggt ataat                 765
```

```
<210> 3552
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 3552
```

```
ttaaacctttt tgacacccta cttgttcttt ttgcaggatc. ccatcgattc gaattcggca    60
cgaggtgggg acgagccctc cccatcctga gtccacaggg agatccacag ctcacggagc   120
ctggccgcgg accccctccca ccccctgcctt gccggcccct gcacatttag gatatgctcc   180
tgggtgggga ctgggctgtg cccagggcct ctgtcccccaa ggatgtcttg tggtgcgggt   240
cggccgttct gcccccccagg gcacccccctg ttgtaggcac tggctaggga ggggcaggcc   300
tccttctgcc cctcgagaca ctcttgggag atgcattttc cgtctggctc acaggggggag   360
ggtgaggctt tgcaccccag cccctgccca agccactgtg agggtgggtg ctggctgagc   420
ccccggggca acangagcca agcangtgat gtctttgttc tcggctccca cagcagaacc   480
aggtgagggg gcgcctgcca nggccagacc caagtggggc agcctgaacc tgcttcccct   540
gtggccggca tgccccgatc tttacacact ggtgaccctg aaagaagaag gaggaaggaa   600
ccttgcnggg gtgtctgaag gccgcactgt cagcttggcc ggtccaaacc tgtngcttgg   660
aacttggggt ctgtttacct aataaaaagtn cccacaagtg ccctnantta aaaaaaaaaa   720
nnnnnnnnnn nntnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt   780
ntnnnnttt                                                          789
```

```
        <210> 3553
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 3553
ttgaacnatt tganacctct tgactntttg caggatccca tcgattcgaa ttcggcacga    60
gataacactg agaaaggagt atggtatact tggtttgaac tgtgtgctac actaccaggc   120
cccttccaca ttatactact aatttattta aaatagatag gtatcacact gagaggatat   180
aaaaaaaatt tctgcctctt cattttttgtt tcttgtttga acagaaaaaa tgaccaaaat   240
attgggagta cttctaagga aaaggcaaca cacattccag ttaacacttg gatgtgaaaa   300
tatcaatgaa tattagaatt tataagtcaa actggctctg ctcgctgatt gcaattttta   360
gttacattca ctattttgtg ctaaatttaa gtcattggta tacgactggc cagagtcctt   420
ggttttaaac attactgaga acttatata tactcttaat gggtatttta tataatgtcg   480
aatgaaactt ttatttttag attttttaaaa aatatttgc actttggact taattttaca   540
ctaaattgta tcagccagcc taagggcatt atgctaaatg taaatctagt tcttggttaa   600
gcttttattg aaagatangt ggtgctgtaa gttaatatat tgtagtgaaa gtgtgggaga   660
aaagttaaat tggcacttaa atcttantttt tcaaggaaaa cgtgtcccgc acatactgca   720
ttatgatgga cttgtctcan gtgaagtgaa gaagtgaaag aatcaagtgt atggc        775
```

```
        <210> 3554
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 3554
ttnnnannat gnnaaaggng cagccncttt gnaacccttg gtaaagcccc ttgttctttt    60
tgcagatccc atcgattcga attcggcacg agtatctatt ggcagcaaag antnttttatt   120
ggtatactac aatatgattt aactgttatt ttggggataa atagtagaaa aaagtgaaac   180
agaatgaagg caggtgtttn ttattctaat gatggaataa tacagagata ctggacgatc   240
tctagcagtt aattattgtg acccatataa aattatacag gtcacagtat aattctctat   300
```

1038

```
taccgntttt acaccagtaa gtcttagata aactaagcat gcttatgaat tatgtataca    360
gttagaatgc attattttta cagaggaaca attgcttgta tgtactaaca ctgnactctt    420
ggcttgcctc aagttctact cattattnta tataaaatac tattaggctg ggcacggtgg    480
ctcacgccta taatcccagc acttttggga ggtggangct ggcggattac ttgaaggcca    540
ggagttcgag accaccttgg ccaaaaatgg ggaaaccccn atctctataa aaaatacana    600
aaattanccc angtgtcatg gataccatgc ctgnaaatcc ancttctttg ggaaggctga    660
aggcacnggg aatcggcttt gggccccggg gaancacaag tttgcaaatg gagcccaaga    720
nccatgccac ttggacccna aancctgggg tggacaagag tgcaacactt gnntcanaaa    780
aaccaaaaca aaaaacatca gantantggn ttggngaagc cnanttgc                 828
```

```
        <210> 3555
        <211> 782
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(782)
        <223> n = A,T,C or G

        <400> 3555
gcnnnnnctn gggaggggng nttgngggtt nnccctttct caaaatanct ggacntcnna     60
ctcgccnaaa canataggnc ggggcgcatt acatgattct gncttaacga agatagaagc    120
atnttattgc ataagttttc ttctgtgtgt gggaatcata tgtgggtgta tatatgttta    180
aggggtatgc atccgggtag acgtttgtgt gtggacatgt gtgtacaggt atataagtac    240
atgtgtcata gccttggtac aggtctcata gccttgcagc actgtgttcc tggcgggagt    300
ggcatcngtc tgcatgtctg aaaatgccac gtgtgcattc tgctgatcac caaggtnngn ·  360
ggctgtaggc atcctctctt cantgcgtca gaagtctgaa gaacatgtag cngcaccggg    420
gcgncatgag aaagnaacnt gtaggattta tnaactcatt tcttgaagcc actcactgtn    480
tgnttttaag naccaannnc gattgcccat tgccaantac agaanagact tcntttggtg    540
agtacangna tgagngactt ctctccnnng gncnnnctat aatgaactnt cngaatcctg    600
acttcncgca ncagtcncnc ggactcccct ganctgggct nnttccgctc cccacannga    660
aatnangcnn tnccccattc cccaaangnc gnccccccnn ctnccncccc nnccncccac ·  720
ccnccnccnc ccnccncccc cccnncccnc cancccnnnn cnccngcccn ncncccnccn    780
ct                                                                    782
```

```
        <210> 3556
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 3556
ttanatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagcag     60
cgcccagctc cgaggttgga gcagccccgc cgggcaactt gaatttctgc aaacgaacac    120
agcaccggga gctctgcaga cctgtgtcgg cgcggaaccc ggactgagac atgccttttg    180
aacttctcag atagaggaac cccagtgaag actgatcagt tcttacaatt ctcaaagcat    240
ggcccataaa tatgtgggtt tgcagtatca cggatcagtg acatttgagg atgtggccat    300
agccttctcc cagcaggagt gggagagtct ggactcttcc cagaggggct tgtacagaga    360
tgtgatgttg gagaactaca ggaacttggt gtcaatggca ggacattccc gttctaaacc    420
acatgtgatc gccttattgg aacaatggaa agagcctgaa gtgacagtga ggaaagatgg    480
aagaagatgg tgcacaggat aagaaagctc cagtctacaa acaaaacatg ccagaagatt    540
```

```
tttaggcgat gatgccacct gcacatggaa ccaaaagatt tgcagttgga agatgataca    600
atcggctgta aagaaatgcc cacctctgaa aactgtccat cttttgctct acatcagaaa    660
ataagtagac agaaaccacg tgaatgtcag gaatatggaa agaccctttg tcaagactca    720
aacctgttca catgaaagaa tncatagtag tgaa                                754
```

        <210> 3557
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3557
```
tccnnttcta atgcttggct actngttctt tntgcaggat cccatcgatt cgcccaaaac     60
catttattga agagacaacc ctttcctcat tgtttgcttt tggcattctt gtcaaagatc    120
agttgtccat aaatatgtgg ctatatttct gggatctctc ttttgttccc ttggtctaca    180
tgtctgtttt taatgggagt atcatactgt ttctattact gtaattttga tgtatatttt    240
gaaatcaaat agtatgatgc tgctagctcc attctttatg cttgagagtg ctttggctat    300
ttagggtctt ttctagttcc atacaaattt taggtttatt tttatgcttc tgtaaaaaga    360
ggccattgga attttagtag agattgcatt gaatctttag atctctttgg atagtattga    420
catattaatg attctaattt cttgaatcta tgaacatgag atatctttcc gttcatgtgt    480
gtattcaaca aattcattat tattattatt antattatga ttattatcat tattattgag    540
acagagtctc aatctgtcac gcaggctgga gtgcacgatt tcggtttact gcaacctctg    600
cctccggctt caagtgattc tcttgcctca ngctcccaag tagctgggat tataggcacg    660
tgccaccacg cctggctgaa taattggatt tttagtagag acngggattt taccatgttg    720
gccaagntgg gtctngagcc tttagaacta n                                   751
```

        <210> 3558
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G

        <400> 3558
```
agtnnttnnt ttttgactcc ttgctggnct cttgttcttt ttgcaggatc ccatcgattc     60
gaattcggca cgaggccaca tagcaatggt ntaactgcag gactcaggtc cacttgccca    120
gcagctggca gggaagggcc atgaggcagt agagtcccta caggccaaga aactgagcag    180
aacccatgcc tccagctcac cagctgcatt gaagccccca gctggcaggg agactgctgt    240
gaatggacag ggtgagctca tccccttgaa gaacattgag ggagaattgt caagtgctat    300
tcacatgacc aaggatgcca ccaaggaggc tctacatgcc accatggacc tcaccaagga    360
agctgtgtcc ctgactaagg atgccttcag tttgggcaga gatcgaatga cctccaccat    420
gcacaagatg ttgtccctgc ccccagccaa agtctggtcc agaatctgtt ccacaggatc    480
tctttcaaat gtctcagata atgctggtgt tcaagggagc cctcttgtga ataattatgg    540
ccaggggtca ccagcagcca acagttcaat ttcacccagg ccctggaccg ccaaacagct    600
actcanctgc ttaactggcc cacaagtaca gaccagagac aaagcaagag aagaagcaga    660
gactgtttgg cccgggcccg agaagaagct tgctggcnaa ggggacgttc caacgaagag    720
accactgtcc ttcgagcagg anttaca                                        747
```

        <210> 3559

```
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 3559
gggnttnnnc cctttgaaan cttttataca agctacttgt tctttttgca ggatcccatc     60
gattcgaatt cggcacgagg gttgttctag gtagtttcat gcggatgctg acctaaacta    120
gaatgtagaa attagtagga aagtgaatgc ccactaggtg gaaacctgaa agcacgggga    180
cctgcgatct tgtttactgt tatattcctg ctgcgcagct cagggtctct atgtaaaaaa    240
tgagtgaatt tattttctag ctggtgccta caaaataatc tgcaatgtat ccatactggt    300
ttattaatgg taacaaatga accgtactaa tatgagataa taggggaaac tagatatgga    360
gtgtatggga attctatctt tactatttct ggaaacctaa aactactcta aaatagaagg    420
tttatgtttt gaaagcactc tgctcattgc gctcttgtct gaaaagtgaa gcctggcctc    480
aagccacttt gagtatttct cttctgccag ttaattatct taccattgcc tctcagtgat    540
attaagagaa aacccatcct taacattttt cattactttt taggttcaaa atgagcctgt    600
ttggaacaac ctcaggtttt ggaaccagtg ggaccagcat gtttggcagt gcaactacag    660
acaatcacaa tcccatgaag gtccacgaaa agctttctgg ggcttgtagg aagaagtttg    720
ggcagagttt cttccatcaa nggccagaac ccgagatgac cttgggaacc tcctttan    778

        <210> 3560
        <211> 772
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(772)
        <223> n = A,T,C or G

        <400> 3560
ttgaancttt atacagctct tgttntttnt gcaggatccc tcgattcgag aaagaaaaag     60
aaaaaagcca tatggcatag aaaaaaaaaa ttctgtcttt ggaggaaaaa ggaaaaaagt    120
cccaggtttg aagccagttg tggcctctta ctaggtatat tattgagtct ttcagctctg    180
tttcaaaatc tagaaaatga gttcagtatt acctgtttaa atttgtgaat aacgcattga    240
tgtacaccct ggattcccta aaactgtctt aactgcgtga gtccagtgga ctcagtgcat    300
gagtctaaat ccttagactt ctatcagacc ttctccccta gcagtttcat ttgctctttta    360
aatacaaaca ttggacactc atgcagaacc acagaaatca tgtagacaaa ctagaaatta    420
tcgtgcactc acaaattata gcttccatta ttaggtaata catgctaaac cctagcaaac    480
attaagtacg tgaactccta ttactaaata gtaatcactc aagtaaactg gacaaaatgt    540
cttacggagg gtcacatctc atgtgaaatt aaaccatgtt gcaggcagtg ctacacctga    600
gattttacac aggtatttac atttcttttg cctttgtggc aatatgtgcc tgttaagata    660
ggctattaga gaactgggca atgagnaacc ctacaccnta aagtacaagg aagnnatgtg    720
ccatatcagc agatttttg cttatttagt tagtaatgaa tcctcaaact ct           772

        <210> 3561
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

```
        <222> (1)...(771)
        <223> n = A,T,C or G


        <400> 3561
ggtgnttnnc cttgaanttn tatacagcta ttgttctttt tgcaggatcc catcgattcg    60
aattcggcac gagctcagct catgggaatn tgcctctcac tggtcctcac tgggtttatc   120
ccagtgacca attctaggat gaccagaaga atgattccac tgggcttggg agtgtttgct   180
ggtacctcta atctctgngt anagttnatg gtacctgtgt gctctgtggc taggtcctca   240
gagtcagtcc ctgggcaggt actgtcagcc ttcagttttc cccacagact gtgttcctgg   300
gcctgaatcg ctcagactac atgttccagc gcagcgcaaa tggctcccca ncctgaaaca   360
gatcgaaatc aacaccatct ctgccagctt tggggggcctg gcctcccgga ccccanctgt   420
gcaccggtgg gtccctgggg cagnccccgg catacctgtg gggtgacatg ctgatgggtg   480
tacagtcact ggctaggcca gggaactcca gctatgattg tgctttnctg ggccccgggt   540
cacatgttgc ccctgnccac cccgacagca gttnncactt gtaatgagat ccttggtatg   600
tcaaggagaa aaaggacctc atagctcatc tagtgctgtc ctccattgaa caggcagaag   660
gaacaatatc ttgaaaaccc caaaatanag gaaatgcaag ggacttctgg cttggnggct   720
gngcctggta catcatttct accagcattg atgctccagg ttcaatgatt t            771


        <210> 3562
        <211> 786
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G


        <400> 3562
ggnnnntnnn cccttttgaaa acccttttata caagctactt gttctttttg caggatccca   60
tcgattcgaa ttcggcacga gggacaaaca gtggcaaaac aacactggct aagaatttgc   120
agaaacacct cccaaattgc agtgtcatat ctcaggatga tttcttcaag ccagagtctg   180
agatagagac agataaaaat ggatttttgc agtacgatgt gcttgaagca cttaacatgg   240
aaaaaatgat gtcagccatt tcctgctgga tggaaagcgc aagacactct gtggtatcaa   300
cagaccagga aagtgctgag gaaattccca ttttaatcat cgaaggtttt cttctttta   360
attataagcc ccttgacact atatggaata gaagctattt cctgactatt ccatatgaag   420
aatgtaaaag gaggaggagt acaagggtct atcagcctcc agactctccg ggatactttg   480
atggccatgt gtggcccatg tatctaaagt acagacaaga aatgcaggac atcacatggg   540
aagttgtgta cctggatgga acaaaatctg aagaggacct ctttttgcaa gtatatgaag   600
atctaataca agaactagca aagcaaaagt gtttgcaagt gacagcataa agacngaaca   660
caacaaatcc ttnctgaagt gaattaggaa actccnagga gtaatttaag accttnacca   720
agatncatgt atactgnggt acaatgacag ccatggttca tatggttgat ttttattgcn   780
catggt                                                              786


        <210> 3563
        <211> 838
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(838)
        <223> n = A,T,C or G


        <400> 3563
gnnagnnngn nnnttnnncc naccggancc acgtgaaccc tttgttanaa cccctngnnc   60
```

```
ttncgcaggg atcccatcga ttcgaattcg gcacgcaggg cagcncttnt atctngtnnt    120
ttaaactctg gccngccntt cctaatnctc agaccaacaa gtagtgtttt cccattcgga    180
tcgcttanca naaaatgagg agagtcttgt ggccatcanc tttattgnaa gccgaaccac    240
tgtnagcaaa aataccaagg agaggnctga tcccactntt gnaanaaaaa gaaccatgag    300
ggccctgcnn aatncaactg gaccntgggg atactcactg aagaaggtgn atctatttag    360
gaatgcaaat tgtcttncta ccccagacnc cccaacaana aanacttggg gtgganggtg    420
anatatnnca gccaagnaan aacngtttgc atntntcctt nttggttnga caaagacntg    480
ntnccanatn gtcctcaaag gtacataaat acanacatat gatatttgtg tatatataaa    540
cacatatgtn tagtaanatc cnncatttac cttggggnga gacttgaaga aacnccagcc    600
ttctttctag agagcctctg cttctggtat tnacctgtca caaaagccca tacctggttg    660
tcaaacccct tccttgtaac tganggagng catnttacga atatgggngt agagtaaagt    720
agccaagtgc ntatnggaaa atttaagccn gaaaaannna attannaaaa attccnaaaa    780
cagcccaata atctnnaggn tggggaaann aaaaacccgn nntnggttnt tttgtntt      838
```

```
        <210> 3564
        <211> 676
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(676)
        <223> n = A,T,C or G

        <400> 3564
```

```
aacctnttta cantcactgg tcttttgcag gatcccatcg attcngtgaa gtggagatat     60
gtgaatgacc ttgntctttt atttgaaata tattttccta tgtcttcatt ttccttcact    120
gtctgtggtg atttatgtgc atcagataag acaaccacct ctcccagnct cgtcagactg   ·180
gtctcataca ggagaaagat ctcaacaatg tatccngcca gagattttaa gggcttctnc    240
aatctcaaaa acagactgct atatctcctt tttgtggccc actggagcnt ataatgtgnt    300
atgtcctgtc agaaccctca tgaatagnat ggtaggagca agactcttta gacatanctg    360
aaaagcttac ttggtggatg tgtgtatgca gntccttcta tcttcanggn gaagttganc    420
aaagatgttt atctcccact attctgtcta acccgaaaga natatttgtc tccattcagc    480
tgcccctctg tcctggggag aaagtagngg aaggggccca tctgtgtcac ctcttgnntc    540
tgnggctatc tctcantggn tctacactta tanctaatna ttttcaagnt ctgtgcggtg    600
gtgcctcaaa cagngtgaat atccatnaca ggtgggggg cncgaagggt ancataactc    660
ctcatatgan anntat                                                    676
```

```
        <210> 3565
        <211> 781
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(781)
        <223> n = A,T,C or G

        <400> 3565
```

```
tntnncnntt tgaaaccttt tatacaagct acttgttctt tttgcaggat cccatcgatt     60
cgaattcggc acggaggcca tacaagagac tccagatatg cagctagaga aacttaagga    120
aggtgagctt atcaacgtgc attcagaaag tggttatgat tacaagaatg aagatatccc    180
agaggaattg acattgtcag aaaacttcac attaatcgaa ttctcagaga tgtctcacaa    240
cattgaaagc acaaaagatg aaatgttaga agctggtgca cagtaaggat aaaggagtat    300
ggcagttcac caaggcatgg aaaagatgcc tgctccatat tgttaagtta tacagtgaga    360
agaaggaggc gaacatagtt cagactactc ttggtaggtt tttaccaaaa aataaaatat    420
```

```
tttaagctca atatttttga cattgcaatg tactttaaaa gatgctggga ttaaaggcgt    480
gagccaccgt acctggccct tggtggaatc tttagggttt tctattcata catataaaat    540
catatcattg gcaaacagag ataattttac ttcctccttt ccaatttgga tgccttagat    600
ttcttttnct tgcctaactg ntctgtctag aactcccagc ctatgctgaa tagagtggca    660
agaacaagca tttgccttgt tnctaacctt agaaaaaaaa tncttcaccn tttaccattg    720
angatgatgt ttgctgttag tttttcataa atgatctata tcangctgaa taaattctat    780
t                                                                    781
```

```
        <210> 3566
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 3566
tatagtaata caagctactt gttctttttg caggatccca tcgattcggg caactgtaag     60
aaattcttct ttcaaggcag ttgtcttcgt atctatcatt ttaccatacc tggttaaaac    120
agagtcccag gtacatatta aagcaagcct tcatacatgt tggccctcta tctaaaagcc    180
tcttcccact cctttccctt tacctggtaa tccctgttat tccctagatg cctgctttaa    240
agagatttcc tttggtaaat caccctgaac cctcagacta gtccagacct ctctttgata    300
ttttcctctt gacattcagc atttatccca attgaaagta ataattacat ttgtgtagtt    360
attagattat ctgtcttcct tagtaaaaag taagcttatg ggctgggtgc catggctcat    420
acttataatc ccagcacact gggaggctga ggcaggagga tcacttgacc ccaggagttt    480
gaaaccatcc tgggcaacac agaaagatgc catcaatacc aaaaaaagga aattaggtga    540
gtgttaaggt gcaccagcca ctctggaggc tgangtggga ggatcacttg agcccgggan    600
gtgggaggat cacttgagcc cgggaagtgg gaggatcact tgagcccagg aggtcgaact    660
gtagtgagct gtgatcatgc cactgcctnc acctgggcaa cagantgaga ccgtgcctca    720
aaaaaaaaaa aaaaaaactc gagcctntaa actatagtga gc                       762
```

```
        <210> 3567
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(773)
        <223> n = A,T,C or G

        <400> 3567
tgaaaacctt ntttacaanc tacttgttct ttttgcaggg atcccatcga ttcgaattcg     60
gcacgagggg aaagaaaata actttgtgaa gccagtgtat tctgttttta aaactgtgcc    120
tgcagtgcaa tactccttct ggtgtatttt atccattatt tcacttgctg gtcgtcattt    180
cacagccagc tttgacatgc ccgtgaggac aggagccgcc gcttcagttg tcactgcaga    240
gccatcgtat gtcagttgca atttccatct gaagctatgt ctttgacttc actttaagca    300
gaaaattttg taccctggtg gtcgagtctt cccttaaaaa ttgttaaatc atttggcttt    360
aatggttcaa taatttgggg tggcttcatg gtgtttcttt tcttcccagt ttaaaaaaaa    420
aacttttttaa gcgtaaaatc tttaaggggt acacatttat aagtctggct aatttctaat    480
atgctaatta aacatttccc attttaaggt tatatacagt gaggctcttc aggacaatta    540
ttttctgggt tgattgggca tatgtttgcc cgtgtaaaca cggatatgat aaagtgtcag    600
taacaatgga aaggtccca gaggcattag gcatctaaga ngatgccctc agaaacgtat    660
tctggcttga tttgtgttat taacttcaga agaacctttc aaatgtccca atatcgttct    720
```

tagtgctttg ggaaaaaata tttaacacac tggtaataaa tttgtatcag aag   773

```
          <210> 3568
          <211> 795
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(795)
          <223> n = A,T,C or G

          <400> 3568
tttgaaccct ttgaaaccna tatacaatct acttgttctt tttgcaggga tcccatcgat          60
tcgaattcgg cacgagatna tagntttatc catacaatat tgcgattgtc tctggtcttg         120
ttgctttcct gcactagatt gtgagcacca tgacattagg gatcatatct ttncattgta         180
ctgttancta cacataacan actgcatgct atacgttggn aaatgttaan tnaatgaata         240
tcttcncagg ctagcttttt tgatcgcccc aacgcctagg ctagttttct ctcatcctgc         300
ctcanantgc tgtggtgatg catcccgcta gcacctgcag agacancccn gntggtaatg         360
ttggccacag nnccagctnt gctgccagtg cccatcgatg nggacatgga ggcggtccta         420
gcttcaagct gacggtgctc ccctgctgat acanaaactc ctgattccaa agctcattat         480
tttgttagnt ttatgccctg tgtctntgta tcaccacccc catngntaaa gcctggtnnt         540
tatgtctgga gaangaaggc aatnggaggg aggaggccta atgngctcaa aatcacccct         600
tttttntatg aaagtgcctc aaactcattt accttggctc tcananctg aggaatgact         660
nnttttcttg cnanactctt tggttnctca tttaaaatgg accc ctgggg gggaatttct         720
tttcttcaat ctgacagaan ctaaattttg ncctgttnt caagggnaan caccaactgg         780
ggcttntact ngggg                                                         795

          <210> 3569
          <211> 801
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(801)
          <223> n = A,T,C or G

          <400> 3569
gntnnccntt tgaaaccttt tatacaatct acttgttctt tttgcaggat cccatcgatt          60
cgctcagatg ccagtcacaa gtcccaggcc tctcatactt ctgaccgact ggctacaaat         120
caggggttcc cactacctcc tcagattaga taatttgctg gataaaactc aggaaacatt         180
attattaagg gcacaactca gcaacagccc agtagaagag gtgcacggag caagcaccgg         240
ggggacgtgg agtttctgtg ccctcctagg gtggcctcct gcccagctca cccttgtgtg         300
tgcaaggtcc ccgaatcttg tagttagagt ttctgtagaa ctcaatctct aatcctttcc         360
ttttctcttc atttctcttc aggataaggg accggggggt cggtgctgaa agttccacac         420
tctangcact gggtctcttg ggtgaccagc cccatccaga ngccatctag gagggctgct         480
tttaatcaca gcgttagcat taacagttgt gattgaaang ggcttgtttt gaacaataaa         540
aaatatttct atctcaggaa atcccaaaga tataggaact gtgccaggaa ctagagacaa         600
agatgaaata tgtcttatat cacatttctt ttgaattggt taaagtgcca ataagacaac         660
aaaaaataat attaaccnt ttatataaca cttggggtta ggtggttata aaataatcta         720
aaagatgaat ttaaaagtat tgggggagga tgtacatagg ttatantgcc aaatacctat         780
gacgttttat ataagggact t                                                  801

          <210> 3570
          <211> 735
```

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(735)
        <223> n = A,T,C or G

        <400> 3570
ttnaanncnt ttgaaaccnt ttttacaacc tacttgttct ttttgcaggg atcccatcga      60
ttcgaattcg gcacgaggtc tcttggtgcg cttttnatctg tcctctaaag cacaccctgc    120
ccctccctcc tctgtcctca tgccgccttg tgcgtggtcc ccagctgttg gtgtcagggc    180
aaggacaaag acccgngaca cctcangtct gagtcctggt gattgccagg ccctggggaa    240
tgggggaaga tgtggtcaga ggctnttctt gtgaccggng caagatgtnt cttntgctgg    300
accggcacct tttgtttgtn ccattggtgg cagatgtgag cnacatcagg cgctttctca    360
gtgnatttca cgagccacan gtggggctna tccaagccgn ccagcanctg ctgtgtgatg    420
agcaagcccc acagaggnan aagctgctgg ctgacctcct gcacaacgtc anccataaca    480
tngcggacga gaccnngnct gatgaccccc gtggnttgaa gcttggagtt ncgatttcan    540
agcangtntg gctatctgan atacanctgt nagagccgga tcccgagtta cctgagggan    600
gtgagctcct accntccacg gtgggtgcgg agnctaagag gaattctgcg gtcttgctca    660
ttgcagagct ccgtcatcat catgcnctat tcaaaagacc aagcggagcg cttgcacgaa    720
gtgttctgca ggtct                                                      735

        <210> 3571
        <211> 766
        <212> DNA
        <213> Homo sapiens

        <400> 3571
tatattttac aagctacttg ttctttttgc agggatccca tcgattcgaa ttcggcacga     60
gacagatcct ccctctgcag atggtgagca gtttcccact cggctctttt gattgttctg    120
caattttcaa tgaccatggc acaaatttat ttaaagctga aatacttcac ttctattaaa    180
gcagttggct gggtatattg tttttgctga aattattact ctaggaggta aatctaggct    240
ttatttacta ctttgggaaa gtacatttaa aggccatgaa tcagaaacta ggttacaaac    300
gttaagactc aaaggatctg tatactgagg cctatatttc catgaagtgg ttctctactc    360
tcagcaaatc tagtattgct gaatgttgta gcattataag caggaaaatc atcttactgc    420
acataatcta tccccacaga aacctatgac atttaggtat tatgcaggca tgtgtcttca    480
gttggctgtc tccttatttt aaccatgtgt ccctataaat acttcagatc caaaaggttt    540
tttccacact tcgttataaa aaagtactaa ctagcacata tctgcatttt attccgggat    600
ccacatctcc aaaaagttga ttataaagtt tacagcaagc atagaattca aaatttcctt    660
tttttttctaa atgaccaaca atacaaactt tctcatgtac acacacatga gaacacacat    720
gcatgtcata cacacatcat gcattcatca cacaaagcaa gcacag                    766

        <210> 3572
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(773)
        <223> n = A,T,C or G

        <400> 3572
tgaacnttga aaccttntta caactacttg ttctttttgc aggatcccat cgattcgaat     60
tcggcacgag gttggccttt tcnattcaga tgtttncntg caggangtgc ctgngatnna    120
```

```
ntttggnttg ntnacatgag tttnatatgc atgcgcattt ttggatgcca aacacatagg     180
cagatgaaac taagaagcca gatgctagag atcgcagngc gatgaattga aactagccta     240
actggctcca ctgttggagt cattngctca aactactcca aacttttgtt tgntctactg     300
aaaacattan tnggaaaggt acagngntaa tttanggcng ggaagcctnn atcncgtgag     360
agtnaggtct ntntatgcga tgctggnang gaaggatngg agatgagagt nattttacgg     420
gcgcctatct cctcctcttn ctatcntgcc ctggactgcg anctcatctt tcatannctc     480
ttgcntggtg gtaggcccag caancggatg gattttaagn atctcagaat tttcanttna     540
tcannnntca ctntcagagn tccttttntt tntcaagggt acccagtcta actggttagc     600
ttcttttcaa tagncctcct tactnactta cgcctagtca nggacgaana ntaatggtaa     660
ctganttact ntcctccaac aaancattag ntgattngac tttttacncc tcattcngan     720
ggcnttagac cccttttgtg cactttacnc aaggatgttg anacctanaa ttt           773
```

```
        <210> 3573
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G

        <400> 3573
ggtgnttnnc cctttgaaaa cccctttaata caagctactt gttcttttg caggatccca      60
tcgattcgaa ttcggcacga ggnaaagctt catgttccgc acctggggg cggatgttat      120
caacatgacc acagttccag aactgtcaga agataaattt ctgttgttct cagccatcca     180
gtttgtggta ctttgtaacg gcagccctag gaagctgatg caggtgggat tgattcccct     240
gctccagaga aaggactgtt ttcacagaag aggcgatgct tgaactgaat ctgaagggat     300
caatgtggct tcccttggca aggcatggag tgaaggtgga gtatatccca agtggggagg     360
acagcacgtg acatggcgca gggcttatga aacaacatgc cttcttctct tcangtactt     420
aagctacatt agtaagacca gaacttagtg gtgagggttg aagctggctg gacaggcagt     480
taggagtgag tcangcgatg gtgagcctcc gtgccagaac aacttgtagg ctgtggaagc     540
aacccgcaaa gggatggcag cggtgatata tatagttgaa agatcactgt ctgctgtgta     600
gaggatggat ttggaagagt caccanagca ggaataagaa gttaaagggc ctgcaccagg     660
gcttgtagca tagagtttna gaaagtcttg gggagaattg antcaccttg acctactgat     720
tcatttggaa ngtgggaatg caatcatggg ggtaagtcct ctaagatagg acctttnaag     780
tgtanggatn                                                            790
```

```
        <210> 3574
        <211> 715
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(715)
        <223> n = A,T,C or G

        <400> 3574
ttgattcnnt ccttggcctt ttgcaggacc ctcgattcgc ccagggccgc ctgcctgagc      60
ctctctgcag ctgctcacct cctgctgagg cctctgcctt cagagctagt ggggcctgct     120
cacacattcc agtagtttcc tctttatttg tcctgaacca agttgtagaa tttaaaggag     180
gtgaagtaag gcgatttcta tggaaaatat attttcttc tttactcctc atgctgagtg     240
cataagaatt tattatttcc cctgaatgtt caaagtggtg tgtgtgtgtg tgtaaaagaa     300
ccaggagcaa acaatcttaa taggaatgtg cgatcttgtg tttatcttta gcacacttaa     360
ttagctacaa cccgggactg ttgccatttg aacaagttgt taagaaaatc tgccatgttt     420
```

1047

```
tgctctttttt caaaaggaat gactttaata accatagcaa cacttactca gttttgtgat    480
ccactccaag attatgggag caagaacaga tactcctgaa agcaaccctc accttctccc    540
cgcccctgc  cctcacaagt cctgcctgtg tgaactgaag ggtttggaag ctctggtttc    600
taggantgcc cagaagctag aaagactang gtgtctagtt attgaggggc aattgtcant    660
ggcagtgtgg gggcacccca ntggtattcg aggcactgga ttgcttttg  nctcc         715
```

        <210> 3575
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3575

```
tntatanata cagctcttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg    60
tctcatcctg aggccacttt ctagggccat ttctggcacc agatgtttta tttcagctcc    120
cccaaaagca aaaccctgag gcagggatct tggttgaagt ggggagggga tcccagaaag    180
tggggtgagg gtacggaggc atgaggtagg aaagggaaga aaggagataa aatgtgtgtt    240
aatgagcagg ttagcactgt ggaccaccac gctcaatccc actgagacgt gaggaagctg    300
ggaatgtatc caccaggcct taatttatca agatgaggat tactcctgag atgttaactc    360
cttgttgttg gacctaggct gaacatgctt ccgtagccaa gaaagggctt caggtgaaga    420
gacacagaga accttctgca ggccacattc caggctggga taaggggaat tgggtgtgac    480
atcaatagca tctcatccca cagtgaacta agaagataga agagcaaatg caaggaatat    540
ttgcatgctt tcaatactta ctcatcaaag ggtcgactcg acttanaaga aattacaaat    600
cctgcttacc attttcagcc caatatgctc acgttggcca agccacagct gcctttaaat    660
agtaccaact cttgaaaaaa aaaaaaaact cgagcccttt anaactatnn tgagtcgnat    720
tacgtagatc ccgaccntga taagatccnt                                     750
```

        <210> 3576
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3576

```
tttgaaancc ctttgctact tgttctttt  gcaggatccc atcgattcga attcggcacg    60
aggcgaaaca ccactgcaag gtgaacagcc tgggttacta gcanaaaaac atcattcagt    120
ctgtaaatat ttatgaanat ctgtganagg cactacccтt accctggagc taacctgtga    180
cccagagagc aaggactctt gctttacag  aacacatatt cttgtggaat gagaggggct    240
atcatcaant aagcaaatca ttcnatgnan tgtgttantn tattttccca ttgctttaaa    300
gaaatgcctt ttnctgggta acttataann aanagaggat nnattggctn atggntccac    360
aggctgtacc ataagcatgg tatcatctgc tcagcttctg gggaagcttc angaaactta    420
cagtcatggc aganggcaaa tgggaagcca gcactttaca tggncanana aggaggaaga    480
ganagagaga ggcacgaggt ggtacacact nttaancaac ctgatctcgt gagaacccac    540
tatggtgaga acagcataga nggaatgatg tttaaccatt catgantaac caccctcatg    600
atccaatcnc ctgcaagcat gnaccaactt caacactggg gattacaatt tgatgtgaaa    660
tttgancagg gacacaaatn caaactcatc actaagtatc agngctttgg gaaaaaaata    720
cgtnnntcca nncntgatag atncctnnt                                      749
```

●   ●

```
<210> 3577
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 3577
tntatagana cagctcttgt tctttttgca ggatcccatc gattcgccgc tgcctgcacg      60
gcgatgagaa cagcgaggtg tggcggagcc tgtgcgcccg cagcctggca gaagaggctc     120
tgcgcacgga catcctgtgc aacctgccca gctacaaggc caagatacgt gcttttcaac     180
atgccttcag cactaatgac tgctccagga atgtctacat taagaagaat ggctttactt     240
tacatcgaaa ccccattgct cagagcactg atggtgcaag gaccaagatt ggtttcagtg     300
agggccgcca tgcatgggaa gtgtggtggg agggccctct gggcactgnn gcagngattg     360
gaattgccac anaacgggcc ccnatgcagt gccaaggtta tgtggcattg ctgggcagtg     420
atgaccagag ctggggctgg aatctggtgg acaataatct actacataat ggagaagtca     480
atggcatgtt ttccacagtg cancatcnca ccaaaatatc agataggaga aagaattcga     540
gttatcttgg acatggnana tatgactttn gctttnnaac gtggatatca gttctggggg     600
nngntttttng aggactccaa agggctggtt attcccagca nttnatgctg tatatgggnn     660
cncagaantn actttggtnn nactnggnaa acctttgtac ggnnacaann gnnnncttgn     720
natnnctncn nnangnnnga naaat                                           745
```

```
<210> 3578
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 3578
aaatngctag gctactcgtt cttttttgcag gatcccatcg attcgaattc ggcacgagcc      60
cagctctttg ggaagctgag gtgggaggat cactcgatcc cagnggntgg agacttgcct     120
gggcaacatn ntgcancctn ntctctaaan atatntnttg catngantng cccgncatgg     180
tggtgcacgt ctatagcccc agctacttca gaggctgatg tgggaagatc ccttaagcct     240
angaggtcng aggttgcagt gagctatgat ngcaccatta cnctccagcc tgggcgacag     300
ancgagactc cgtctcaaaa aaaaagaaa anngactntn nncgaangga gacacgtnaa     360
agtcttgcta attgtcatat ccactcccaa ntntagcntt tctggatgat gnccattcct     420
nctgcaatnn ccttatnatc catctnaacn ttttgcaacc tatgaactgn ttcgtanant     480
taattactac caatacaccc tatgtacagg agcatangga aatcaanaan antgangaat     540
tnnantctat taaaggccac nagaatggnt nacacctgta atcccaacac tntgggaggc     600
cacngcgagt ggatcacctg agatcangag ttcgagactg gcctggncaa catngtgaaa     660
ccccngtncc tactaatggt ncaaanatta ccaagccgtg gtggcacgtg cctgtgancc     720
caagntnctc nggaagctgt agcangagaa at                                   752
```

```
<210> 3579
<211> 725
<212> DNA
<213> Homo sapiens

<220>
```

1049

```
        <221> misc_feature
        <222> (1)...(725)
        <223> n = A,T,C or G


        <400> 3579
gtgttgaatc nttctcncat naaacncttt gganacccac cgattcgaat tcggcacgag    60
ggtgattggg ctggttctgt accgggtgta ctccgtgggg ggcgtnatct ggcaaagcct   120
tggaggtggg actgtggagg caccattgat tgaactgtgt cccctgcagt tcacatgttg   180
aggcccaaac ccccagtgtg gctgcatttg gagtagggca gtaattatgg ttaaatgagg   240
tcgtatgggc gggtgctgat ccactaggat taggatcctt ataagaacct gccaccttct   300
ctctgccacg tgaggacatg gggagaaggc ggctgcctcc cacccaggag gagcccttac   360
tggacactgg gccctggctg caccttgacc ttggacttct agtccccaga actgtgagaa   420
gtagatttct gctgattacg ctttcctgtc tgcggcctga gctaagacag cggcgcttgg   480
ggagaagcag aatttgagga gctcctcant ggcaggctgc cctggccctg ctgtcagcag   540
aggggaatgg ccatccatgc tggcccctac cagccgggcc ttcantgagc tccccgggta   600
ggtgaanctc tctaactctg tgtcccccgc aaacaggccc acgagccaac gcctatgggg   660
tggantgaaa attangaaga aacattaccc ganggggtcac tctntttnan aagacctcaa   720
tggnt                                                               725


        <210> 3580
        <211> 737
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(737)
        <223> n = A,T,C or G


        <400> 3580
nggtnagtta atttagcctn gtgaactctt ggaacnccga ttcgaattcg gcacgaggag    60
cagagatggc cacagaagcc agagaagctg gacgaggcct ttttggcaac aaaagagtga   120
cttaacgcag ttctaatgtc ctacattttt atgctcttat cctgcagtta caggataagt   180
caagatacac ggtctacaaa gaaattttgt tctaatttta taatagtaga gatggggtct   240
cactatgttg cccaggctgg tcttgaactc cagggctcaa gcaatccgcc tgcctaggcc   300
tccctaagtg ctggattaca ggcatgagcc actgaacctg ctgtacaaa gaaatttatg   360
gcagagagat atgctcttta ttttggggag gtggcatggc attatcaaaa tagcatgggc   420
tttggaatga aaaccttggt gaccgtgagc aaaggaagca tcatttgctt gtcttcaaaa   480
gagggatagt gcaacttaac ctgcaggagt aaatgagata acaatataat agtatttatt   540
aacagagtct tgctgtgtac ctatagtaca tcaagattcc atttctactt tttttccttt   600
ttcactgnct aaaagtttta ataacntttt aaataagatg atggtatatc aaaagccant   660
tataggctac taaatatttt taattatttc ttaagaaaaa aatttaagct aaaagaacca   720
aatgggatat tttttttg                                                 737


        <210> 3581
        <211> 718
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(718)
        <223> n = A,T,C or G


        <400> 3581
gtntttatcc tgctcttgca ntcgtaggac cctcgattcg aattcggcac gagccctcct    60
```

1050

```
tgcccagagc aggcattgct catccactag gcacttcttc ctgccaaggc acctcttcct    120
gccaagtcag tgtctcacga tcccttttcaa cacagccacg aggaagccat gatacatcaa    180
ctggcactgg caaataaaat caaacctatt tgcctatcca gtcttatccc actttgttgt    240
tttctctaag tagttggaaa acaacatgtc cagagaaaaa taccagaact tattctgagt    300
atgttcttca gagcaaacct ttagaatctt aatgatgttt agacactcag gaatgagtga    360
accagttgca ctgatagaat caaaacaata ctgcaaatat tagtcatgtt gcctattatg    420
aaatatatct gtgtgtgtgt atagatatga aaaaaaaact ctaaagtctg agttaaagag    480
ccctgccagg tatagttaaa tgctctctaa cctatnaaga attcaattcc atttggcacc    540
tccaaatctg gtatccagaa ggaagaccag agaagcagcc cccgatgcaa tttgcaagat    600
gtgttcctgt ctgggggtgc cacacgttaa cagcagctta aaaaaaaaaa aannttnnnn    660
nnatnnntaa nnannntnnn tnnattnnaa ctnnnnnnnn ttcttncnnt ttncnant      718
```

<210> 3582
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = A,T,C or G

<400> 3582
```
tnncttaatc ntgctcttgc atttctgngg acccatcgat tcgcccaagt gaaaagactg     60
ctgtcagata gcacttgcct tccccatatt attcagctac tgctgacctt tgaccctatc    120
cttgttgaga aggttgctat tttgttatac catatcatgc aagataaccc acagttaccc    180
cgcctttatc tgagtggagt attttctttt atcatgatgt acacaggttc caatgtgctt    240
cctgttgctc gattttgaa atacacacat accaaacagg ctttcaagtc agaagagaca    300
aaaggacaag atattttttca gagaagtata cttgggcaca ttctacctga agcaatggtt    360
tgttacttag aaaattatga acctgaaaag ttttctgaga tttttctagg agaatttgat    420
actccagaag caatctggag tactcctggg ctggcaggcg aaccgactgc ggaggcgcta    480
cttggactgg aggaaaagga ggctgcagga caagctggcg gcgacgcaga agaagctgga    540
cctggcctga gactctgcgc cttccgccca ttctgtcccc ctcatggcca ccttgccatg    600
ttcgcgccgg accccggtcc cgncggcgcc cagaaccagg cttgccacac agtccccgnc    660
tgccatggcc ggntcttnct ggaatgttgc ttgttgaana tgcatataga ctacccggaa    720
a                                                                    721
```

<210> 3583
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(723)
<223> n = A,T,C or G

<400> 3583
```
attgggtncn gctcnttgtt ctgctgcagg atcccatcgn ttcggataat acttgtggat     60
cttgatgcta aggagcctgc tccttatgca tcaagaaaca cataaccagg tacagaaact    120
ctgcagagta ctcatgagtg gcaggaggag ctgtaccaca agaaggaagg gctcagggaa    180
ggggacatgt cttactcact tgttagcttc cacggatggg atgtggcagt gctcatgaaa    240
ggatcttgga caagtgtcgc agcagaacag ccgtccccat ttgttgcaca cctcacatat    300
atttgagttt tccggctaga aggggagatg tagacatcac cgggatcagt gagacccttg    360
gaccctagaa tatgtgacct ttttatgtat caagggcaca cttgtaaatt tctgtcctca    420
aaatattaaa gattgctgag tggagatctc agaagacatt ttggtctgcg gcaaagttca    480
```

1051
```

```
gtagatagtg gctgtgtgtc aggccagaaa agttttcttt atgaaaccag agattctgac   540
atgatgacta gtgacaaaaa taggatgaat tagagatttt ttgagcaatt tattaaacag   600
ctgggaaaac ctggcccaga aatagtgtct tttctagctg ctacatcgta tnctttaaac   660
tgacttgnca agggtgattt actgagaatt taatatgant ggaataaact tctgagatat   720
cnc                                                                 723
```

```
        <210> 3584
        <211> 717
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(717)
        <223> n = A,T,C or G

        <400> 3584
tggtgcnngg tccttgctct tgtnngctgc aggatcccat cgattcgaat tcggcacgag   60
gtccaggcca ataatcagtt ggttaagtga aaaaagtgtt taaagtgaag aattataaag   120
aaagtcatta tggatctcaa acttttactt taattgaaac cataaaaaca tatattcact   180
caccaatgtt ttatgcaggg ttaatgcctt ctctttaaaa ttggacttct gattggattt   240
ctacctcatt tttcttatgt aaacacttat agttcacttt tgatatttat gggttttgat   300
ttttgaaaca aagggaaaat gttaaaacat atactgttca gtaatgccac ctaatccatg   360
cgggatatgt cccaggaccc ctagtggatg cttgaaacca cagataccaa acatgattac   420
tgtcagtcgg aacatttttt ttttttggga gacagagtct tgctctgttg cccaggctgg   480
agtgcnntnc nnnnnnntnn ntnnnttnna antantnntt cnnnntantc cnnttaaann   540
tttcnnatnn tttctnnnnn ntncnnnnnn tcttattnat ntnnnntnnn cntntannnn   600
nnttttnnnn ttcantnant antcttttn cacctnnat tnttcnnttn tcnttttnnt   660
nnnnnttntn ntnttnnttt nnttnnntnt ntnnnantan tntnntnnnn ctcntnc     717
```

```
        <210> 3585
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 3585
aaagggnntn attagttatc cctttccaat cccgtaggat cccatcgatt cgaattcggc   60
acgagatgcc tgccagctga gaggcagttg gattccnttn gcngagcagg catttcagca   120
gattcagcag tcagagtgca ccaagaaggg tgctttagtt tggagtttca aaaggccata   180
ctgtaatagt gaaccagaaa tcaagcagcc ctcagaaaga ctgaaacgca tctacggatc   240
atctcaatct gattgcataa aggtggttca agatttatta gtgctttta ctcgcctctc    300
caattttca tatataatgt ccagcaccac atcaaaaata acccagcata gatggagata    360
agacactatc actaacacaa tagaaataga tccacaaaag atttagatca gggatcagca    420
catttattat ataaaaggcc agataataaa tatgttatgc tttgttggtc acatacagtc    480
tcttgnatat tctttttcta ttttttgntct ataaccctct aaatatataa aaactattct   540
tagcttggag atcactcaaa cactttctct ggcataatca ganatatctt caaactatgc    600
ttcaaatgtt caagggaaat aactgataag attgaaaaat tccanggaga ngcacaanaa    660
gtcattanaa aaaaagccc ctanaactat agtggagtcn tattaccgta gatcccgaca    720
tggntaagat ccattggtgg agttcg                                        746
```

```
        <210> 3586
```

```
        <211> 728
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(728)
        <223> n = A,T,C or G

        <400> 3586
aggggttgga ngaagccctt tgaattccnt cggacccatc gattcgaatt cggcacgagg      60
ttctgagcag ttagtacgtg gcagttgtat tattagagga agcctgtctt gttttttttt     120
aaataagctg atagagtgag gattctttta atcaagactg tttgggattg aattgccact     180
cctgcttacc agagtgtagg cagttttttct taaactttcc aagaagactg gtgtcctcat     240
ctaaaatacg aaatgcttac agtaattgcc tcatggggtt gtttggggtg actaaatgta     300
gtaggattta ctacatagta agttctcaat acattgtagc tattattatt agttcggtag     360
aaagaatgtg cagattctta tgagtttaag taggctttcg gggagataga ttgactctgg     420
tctttaaaa gttaattttg aagttgcagt tttgtgatta agccttaaat ctgttattct     480
ttccttctga aatccttaaa aacagaatgt ttagtagaag gtgataacca gatttcttta     540
ttccaagaac tctttgctct catgtctaac ctttatttc ctggtactta ctgatgccag     600
aagcttctct tagtnaatat aatacatctc ctctctccta atttgctccc cgtctttcct     660
tgtaagggaa aagtaaattt actttccaag cctnanggtt atttatggat tangtgaacc     720
actgaaat                                                               728

        <210> 3587
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 3587
ttttgaaacc ctttatacaa gctacttgtt ctttatgccg gatcccatcg attcgaattc      60
ggcacgaggg cagagtaagt acggtaattt ctgcacccga atgggtagtg ttgcctttga     120
agtagtcacc ttgggaagat gtatgtttat tccagtgaag ctgaccttac acagaacatt     180
cctagaaccc tctttagaaa ctgtcaactt gtaagggtct tcagtgttgg taaatctttg     240
tcctttaagg gtagatctat tttttgagga atgattttt tttttaacag ctaaagagca     300
ttagaaaata agtctgctaa ataaaatggg tgaagcagct caggatgatc ttggtgggca     360
ggaggagggg ttggataaaa cacaaggtct gactataaag ttgtgaggcc tcttgccttg     420
catggcttca aaggtaatcc caaaggggaa ccctaagtgt tcttggcaca tgcaacatca     480
agaaaataac tccaattatg ctaactcttg agtgcatatg ttctagtgta tttggttaaa     540
aaggtggctt tgttcatttt cagtcatatt tcgtataagc agaaatggaa aactccatct     600
ctgtgatttc tcccaangga aagatctcat ctactgctta gagaattaaa atgaaaagca     660
cttggtgtca tgtctacatt agcccccccc cccccaaaa tgtgccaatg ggtaattcct     720
ggatacctga gtcttncccg tttnggaaaa ntgggtnaag gaccctntaa aactatagtg     780
agtcgta                                                                787

        <210> 3588
        <211> 744
        <212> DNA
        <213> Homo sapiens

        <220>
```

```
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

    <400> 3588
tnnncttnat ttnnanccnt tggntctttc tgcaggatcc catcgattcg ggagatttca    60
acttaacttg accactgcac tccagcctgg gtgacagagc agacaagact gtgtctcaaa   120
taaataagta agtaagtaag taaatatcct gtaggtatct atgtgactca aggctagtca   180
ctttcctatc tatgctccag ttttctcata tttgagacaa gagacttgat tttagcataa   240
aggtgagagt tgaagtaatg agtgtgaaag aggaaaggga gaaaacatac agagaagagc   300
agaaaacaca agcagctggt aggcagagaa tgcagaaatt caagttagag ctgttggaag   360
atgtggtagg ctgactaatg gtgccccaaa aatgtctaag tcctaatccc cagaacatgt   420
aaatatgtta ccttacaggg taaaagagac tttggggata tgattaattt aaggatcttg   480
agataaggag attagcctgg attatccagg tgagcccaat ataatcacaa gcatccatat   540
aagacaggca anagagcaga atcagaatag gagatgtgat gaaggaagca agagattgca   600
gggattccag gaaggttctg tgagccaang aatgccaggt ggacccctng aagctgaaaa   660
angcaaggaa aatggattct tcttctcann agcccttccn cttaagggac ccagcccttg   720
ccagcaaatt tggccaactt cact                                         744


    <210> 3589
    <211> 858
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(858)
    <223> n = A,T,C or G

    <400> 3589
tttaaanctt taaacaagct acttgttttt tntgccngta tcccatcgat tcgaattcgg    60
cacgaggtac ttcctaggag tggttgcatt tgggaatgga attgttaaaa cttgatgctt   120
aggagcgaat gcagactatt cattgggtgt ttggggtggg ggaagggggg gtgggcanag   180
gaggtatgca cnggagaggg gntctgngct nctcnnatta ttgcacaacc nctaaccatt   240
gttctataac tgcatnaaca natntataacn gggccttncn ngatntatct taacgcttan   300
nttttncnan atatanatgt aactaatcac tcnctttnng taatnanctt tnccntnntt   360
ttgtaagaac gccnctcctc tgnnactgac ctttnttact tcccccccct tgccncctng   420
accttcctgn tntttctcac gtngatngtg gcanttnngg antaacatna atgntnaaag   480
gcntngnttc ttatntaaaa tttnncactc tccacnatnn ntttangatn aaaaccnnct   540
nntnttncan aaaancgttt tnctanttnn aannaccctt tttannattt ttnnaacaan   600
aanctnttat tttnnttnc catnctaacc ttttacaaaa ntnnnggtta acccntttt    660
ttatataaaa nctnnntnnn ttatnaanaa ttaannanta tttngtnaaa nnccctttna   720
aaaataantt naaaangccc tnnttnnatg caannattnt naatntgttt anccccnccn   780
tttnncncat nggnnttgtc ctngcnttna ncaatntacc ttcattttaa aaaaangncc   840
canattnttt tnnnacct                                               858


    <210> 3590
    <211> 767
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(767)
    <223> n = A,T,C or G
```

<400> 3590

```
tgtggtnana ngaactcttg caatnccctt tgcgntnncc gcaggatccc ancgatncga    60
attcggcacg agggccacnc cgcctgtgan gnatttnngt nnctntttnn tgnacctggc   120
atcctnnttc cttccccncc tngcnggcac cgccnaggac cgncggccgg gggacgagcn   180
cggagcngcn gccaggtaga acnatanact anatagcact gaattaacct gcactgaaag   240
ctgngnacct gcatnatgtg cactcatgan gnangtgacc ntgtcnnaag tgcaagtgca   300
agtccagaac cnatctgctg ntntnacngg gagccaaana ctgaacanga accagtctnn   360
acggtnacan ncnangatga ntatccctnn tacnactanc tcnctgcccn ttgaaaatgc   420
nggtngaccc attcaaaact tatgntngac ccatctncan atatgacatg caccagtgca   480
agntgnacaa aagcatancc cctctgtaga actaaagcac ctgtgcctna aacttgtaaa   540
aaaacccaat ggtttaaatc cgggaaggac ccttaacnca tcnggantgc cngtttaacn   600
antaanntac catcatgaan aaggaggtgn catatnccac cgngggtann ttgaccccaa   660
ttgccaaatt ncccnnttta ctttatcaaa gtnggnanct ttntggnngg agggnaannt   720
atnttnantg gcaaatgcna naacnnccaa aagntncnaa aaaacnn               767
```

<210> 3591
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 3591

```
gnttntttta accntaagga anccttttgat gcaggatccc atcgattcga attcggcacg    60
agggcaaata gccctaggag tcccattttt ttaagctgag ggaaataatt ttcaagaagc   120
ttgtcttact agtagcatca ttcttttta ctggctcaca gcttggaagg ggtgatggtt   180
tttcctatga aagctaacaa catttgagca gatccagtgt gctggtgagt cacagtgaaa   240
gtgtggagtg ctaaggaagc ctcctggtgg aaatgtaagt tcagagaagg tctgcagaaa   300
atacagggtg aaatgttatc aaggagccag ggtattattt aagaagagga gggaggggaa   360
aaatanaaaa tcaaatacac taatagaagt aaaattccct attcagaaaa actagtgagg   420
gctgagctcc agtaatcaga gagaagtcta atcangtcac tactgncatg ggaggacata   480
gtcactctct ctttcangag cctatgaagc ttgcgagagc tcagctangg aataagggtg   540
gccaganaca gcancattaa ctggcacaaa tctcaagggg cctgtggggc ctgaaaaaag   600
gaggatnaca ggacatgctg acagtaaatg cttcattctg tgcctaacaa ttttccactt   660
ncctgnngac tttcctcaaa tggatttact taaactttc ccaaccttna acaggttaac   720
ttgcntccan ct                                                    732
```

<210> 3592
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(823)
<223> n = A,T,C or G

<400> 3592

```
tncnntttaa tnccatcanc tcttgttctt tttgcaggat cccatcgatt cgaattcggc    60
acgagggttc atgcagtaag atttgttgtt tatttgtaaa tagaatggta ttctatttca   120
aacttttaag acaaacctgt tgccgcaagg ctgatgcaca ttggatgatg actgtttct   180
ggttccagat cttgtctttg tgatatagga gttatggaat gagccctgga caggatccta   240
agatccgggt ttgttcctac ttctactcat taatagcagt ttgacattta atataggaat   300
```

```
aatgttaact tgtcacttaa aacaagattc tcttcatctt gttttcaaga tttcaagatt    360
cttttaaaaa ttagcatgaa gtatgggata atgattgggg aggaagtatt tttaaaaagc    420
cttcttgagt ttttatgcat attacatttt tattcaataa aaaattcccc attgttttat    480
tgaaatggat tagttgtcga tcctctgaat tagacatatt ctttaaaaat aagatccgtt    540
gtcagccatc taaaatgttt ttataaattc atacttacat tctttttttgc cggttgcagt    600
cagcctttag tgccaagaga gaacattaca gcatggatga atgcaattgg tttgatcatc    660
actggcctcc aagtgagtta ataattgnga attggactta agngatgaaa aacaagccng    720
ctgttncctg tcaggnctct agaactatag tggaggccgn ttaccttnat ncccgccttg    780
aatnaggaat nccttggngg agtttggaca aanccncaac tnn                      823
```

        <210> 3593
        <211> 1035
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1035)
        <223> n = A,T,C or G

        <400> 3593
```
nncnnttnat tccatcagct cttgttcttt ttgcaggatc cctcgattcg aattcggcac     60
gagcaaagga ttgagagaga aaacttggct ttattgaaaa ggcttgaggc cgtgaaacca    120
acagttggta tgaaacgttc agaacaactg atggactatc atcgcaatat gggctatctc    180
aactcatcac cattgtcaag acgggccaga tccactcttg gccaatatag cccattaaga    240
gcttccagga catccagtgc tacgagtggt ctcagttgta ggagtgagcg atcancggnt    300
ntcccttcnn nngcatcnta tntnaatacn tntccctntt ncnntngttc tgtnttnttt    360
tatannnttc nnnccnntnt nnncctcttn tccctgtncn ntttgattnt tttanttntt    420
ntntttnnnc tcnttnctnt tcnttttact atcnnatcnt ctttcnttnt ttctttnttt    480
ntanttctnt tnnntccttt ncttcacntt ntantncttc gcctntttaa cnntnttntt    540
tatttntcnt tctngtaatn tttcntttat atntntntnt ttcanntcnn ttaattcnnc    600
tctantnngt cctttccnta ttntnattng ncctannata ntttcnatan nttctcntnn    660
nnnctnnttn ctatttntnn naattcnngt ntgtntcatn tcnctnctnc ttnctnntnn    720
ttttntttna tnntatnttt nntatcttcn ntctnncttn ntanatntta tctntntntc    780
nttctncnta taaactatac tnttnatctt nctcnnttnt cntatctaat ctncantnta    840
ttantttctc tantntntca tacctcganc nannctcntn acgntntntn nnatntnnnn    900
nnncttanna tnttcatnta anatattatn atantttatt tctnttctan ntntctcnnn    960
atanntnnct nnantctant tncnttnntt ntatcntttt naangtattt tttttnanta   1020
tctantnnna tnccc                                                    1035
```

        <210> 3594
        <211> 992
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(992)
        <223> n = A,T,C or G

        <400> 3594
```
cggnangnnc gtnaacggaa ncccgncnnt tgcggatccc tcgattcgaa ttcggcacga     60
ggaactagtc atgccaggna ctaaattttn gggggcagtg agggatctgg tgcagaanca    120
acctgatcaa tgggacagga cagggagtct caaaatagcc ataactgcat ataaacatct    180
agtatatggn taccacagta ttcaattcaa gggggcaaaa tagagacttt ttaataaatg    240
gtgttggaat aaattatagt tatttgntca aagagttata attttatgca ttccttacac    300
```

```
ccatgcacta gatgatcctc caaatggatt aagactgaaa tgggaaaaga aaaaaanggg   360
gggaattccc tatatcatct gggnctaagg gaaaaaattt tttccaacct atggacccaa   420
gttcccacat ggtaacctgg aaaaaattaa aaaaacccng gacctcntcc tcctcntaat   480
aataatatta ataantnnnn aaccttttcc aatggggcca aaaaaaaata aaatccccaa   540
tttaaatgga aggggnaaac caattaaaaa aaagggaacc caaaaattaa aattaaaaan   600
ccangggaa aaaaaaaat aatttgggga ngggaataat taattaattn aaccaaaaaa   660
cctncccag gaaaattcca ttaaaaagga accattcctt naaaaataaa tgggaggaaa   720
aaaaaaaatg ggaaaaaag gcccaccaag aaaaaaattt ncgccaaaaa aaggnatgga   780
cctgggacaa cctcaaaaaa gggtattaaa aaaaatcccc ttaaaaatat gtaaaagggg   840
ttnaacctca cacatactag ggaaaaatta aaataaaaat tattccggag aaaaaagcca   900
cccatcagaa tngacaaaaa agnccnaaag cctnggacaa nagacccttt tggccaaggc   960
tggccaggan gggaaaaaaa aaaaacnccc ct   992
```

        <210> 3595
        <211> 812
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(812)
        <223> n = A,T,C or G

        <400> 3595

```
nncnnntta attncaatca agctacttgt tctttttgca ggatcccatc gattcgaatt   60
cggcacgagc ttctttttcat ttttcttaaa ctaatttctc acaattttca ttttttgtcct   120
gagacttgaa gggaaagtaa gttttaatct agaccatatt atttagttac atctaatctc   180
tctagacaaa agacagtctg gagagtactc tttagttcta tttattaatt ttgtctctag   240
attgagccag atttccccat gcatagctgg cattttattg gcctctgcag aattgctttt   300
tctggattgg actttggtaa tccatatgaa aatctctatg aaatttaatt gctcgccagg   360
tgtggtggct cacacttgta atcccagcac tttgggaggc tgaggtgggc ggatcaccag   420
aggtcagggg ttcgggacca gcctggccaa catggtgaaa ccccgtttct ccccagaaaa   480
tacaaaaatt agctggtcat gagggcacac actgtagtcc cagctactca ggaggctgag   540
ggggaagaat tgcttgaacc caggagatgg aggttgcaat gagtgaagat cgtgccactg   600
catccagcct gagcaacaga gtgagatctt gtctcangaa aaaataaat ttaattgctg   660
tggatctgta aanggtgttt atcgtaacag ttcataatat tctatttnaa natgcgtggg   720
agaaattttn tntggancca gttatgcctt tnctggaatg ntggttgggt ttaccttaag   780
gccactnaat ttcagctgat ggttttctg gt   812
```

        <210> 3596
        <211> 830
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(830)
        <223> n = A,T,C or G

        <400> 3596

```
nncnnntta atancaaaca nctacttgtt ctttttgcag gatcccatcg attcgaattc   60
ggcacgagct tcctccaggc attataatat taggttaatt tagaggagca tatttatatg   120
tggagttaca ttgtgttggc cattcaggag actgactgtg aaagaatcca aactttatat   180
ttctgccttg ccagtttttt tttccttttc ttcactccat ttgagacact cttgacctaa   240
tccagtaaac tctaattaat agtcttggta aattctgttt caagccatcc tgagtagcgt   300
cactgacacc cgatctgttt cagtaaggtc aaattagcat cctttactat ttttctggca   360
```

```
tttaaatgaa  tgactttgct  atggttttc   aagtgtttat  agtaaatatg  tccatttgat   420
ggaaatataa  atatgcatta  agtgtaagtg  gctaggcaca  ccctgctgtc  acttttatg    480
gtaatcaagt  gtctttcact  ttctgttgtt  tttaataggg  accagctgac  aacgccacat   540
taaaaccaca  gggactcaaa  agataactcc  cccacccct   cacccggcac  tgcttttatc   600
ttgcaaaagt  attcatgttt  ttctcttagt  atgccaatta  cacccgttct  ctgacatttn   660
cacttatgta  ctcatgggaa  ggaatgaatg  ggttactcaa  actgggacca  ttgaatttgg   720
ggacacctgg  tggactccac  tggccttaag  anctacangg  ttanttggaa  acagtggggc   780
accgtgggtt  gacttggcct  tttntttgcc  agngggtttt  gggccttgan              830
```

```
        <210>  3597
        <211>  820
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(820)
        <223>  n = A,T,C or G

        <400>  3597
nncnntttta  attccataca  gctcttgttc  tttttgcagg  atcccatcga  ttcgaattcg   60
gcacgagaga  aactacttct  atgatttcag  ctggagtctg  aagatacttg  tttctgttca   120
agtcccactt  taaattatgt  cttaggagac  tgaaagtgga  atcttctgag  cattcctaaa   180
tatctgctta  gaaatatcat  gtgataaaga  gggaccttct  taatacactg  atgttcttca   240
ctaaatggat  ggccacaaga  aaaataaagt  aaatgtctta  aataatttaa  ccataaattt   300
tctgtcatgt  gatactggaa  tatgggatac  ttttcatgtt  tatatatata  tatatatatg   360
tatatatata  tacatatata  tatatatata  aacatgaaat  atatatatat  ggctcctttg   420
tgccccatgt  catttttcaga ttatggtagc  atgctgatac  agcaccatga  aagaactcaa   480
ggaaaatata  tcaatgtaag  aagttcactc  ttagacccag  tgttctgagg  tcacatgggt   540
ttggactgtc  tcaatcagaa  agattaatga  ctgttatcaa  gaacatgaac  attggcttcc   600
tccatagaga  agaaaatcag  tatctgagtt  gcataccagg  cagtattaaa  aatctaacan   660
gtctgtttgg  cccattgata  gatctcaaat  ggngtctcct  tctgggtatg  gattttgccn   720
ttggttaccc  tttctcaatg  taatggaagt  attttacaag  ccaattggng  gnggaaatgg   780
tgctcttgnc  ttttcntgnt  tacaaactac  tttcacattg                         820
```

```
        <210>  3598
        <211>  856
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(856)
        <223>  n = A,T,C or G

        <400>  3598
gnnnntttta  nttccaatac  anctcttgtt  cttttgcag   gatcccatcg  attcgaattc   60
ggcacgagga  tagaataacc  aatttaaaat  gtcttataga  taaaatctag  aatgaagctt   120
tggtaagaag  tctgagctac  gtacataaga  ttatcagcaa  catatatgtt  aaggtggagc   180
catttaaaga  aagaacagaa  gggacctatg  atttactgat  tgttgaaaat  caaaataaag   240
gaggcagaga  aaataaagat  tgtgagtcag  caggactttt  gtcttatttt  caagtggatt   300
tattgattac  ttttcttctt  acagccaagt  gcaagatttg  tgaatgggcg  tttgaaagtg   360
agccactatt  tctccagcat  atgaaggata  ctcataagcc  tggagagatg  ccttatgttt   420
gccaggtatt  gccttttct   ccagggagtt  ttagcagttt  tgctctcagg  aagaatacaa   480
agaatctact  aatgaatatt  gttgaccacc  tactgcatac  actcagttta  ggaactctga   540
gtaggtacag  aagaaatagt  aaacacagtt  tatcttcang  gtttncatgc  cnggagaaaa   600
```

```
acataaaaag aacatgttcc ctacnaaaaa aatttttttt taattacctt gggcatngng     660
ggtgcaccac tgtagtccct agcttacntn gggangcttg aaacaaggaa ggctcgcntt     720
gagcctcaaa aggataagtc cctaacttcc tcaaggaagg cttccggngg aanctatgaa     780
tcatgcctnc aancctgggg caacaagtgg agaattttgg cttntttaaa anaaaaannn     840
nnnnnnaaaa ctcggg                                                     856
```

        <210> 3599
        <211> 800
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(800)
        <223> n = A,T,C or G

        <400> 3599
```
tttaacnctt tttanancct cttgatcttt tgcaggatcc catcgattcg aattcggcac      60
gaggaagaaa gcagatgcca ttttatctat tngcacatca ggactgacag acatgaaaaa     120
attggccaag tgggcagcag agtccaagct cgacccaaat gaccccaaca atgccccttt     180
gatgcagctt atctcggttg ctaccagngg tgaatcctat gtccctgatt tctttagact     240
ggagcagctg caacaggagt ttaactttgt ttcagatcaa gaattaaata gatccaaacg     300
atttaggctt cttcatctta gaagccaaga ggtgccagaa ttccgaaatt ataagcaagt     360
tccagtctat gaccgagaaa ttatggaaaa ggtattccag gactatgaga aacggttacg     420
agacagaaat gtaatagaaa ccaaggaaca catagacacc cataggGCca tagtagccaa     480
gtacctncag caggttagag aatcagngat aaatcgtttc ttaattgcaa aacaatattt     540
tnttttttggc tgntatggat agnagaagaa gaagttccca atttcancat tttgggncta     600
agccttttca agctngccan aacaaaancn gaccactgng gncaaggnga aaaaggnngg     660
nangaangtg ancnncccca aancctngnn tnnnnggaga cntaaaannt ggctnnngaa     720
nattngnnnn nancttacna cnttccaann gnnggaaanc nnnnnttnnn nnaannncaa     780
nnnccnnnnn ggntttnnng                                                800
```

        <210> 3600
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 3600
```
tnaacccttt aacaagctat tgttcttttg cacgatccct cgattcnaat tcggcacgag      60
gcgggcgcga ccggaggcng tttccgttac tatggcaatg acggcaggga ctacaacaac     120
ctttcctatg agcaaccata cccgggaaag agtgactgta gccaagctca cattggagaa     180
tttttatagc acctaatttt acagcatgaa gagagagaaa ccaggcagaa gaaattagaa     240
gtggccatgg aagaagaagg attagcagat gaagagaaaa agttacgtcg atcacaacac     300
gctcgcaaag aaacagagtt cttacggctc aaaaggacca gacttggctt ggatgacttt     360
gagtctctga aagttatagg aagaggagct tttggagagg tgcggttggt ccagaagaaa     420
gatacaggcc atatctatgc aatgaagata ttgagaaagt ctgatatgct tgaaaaagag     480
caggtggccc atatccgagc agaaagagat attttggtag aagcagatgg tgcctgggtg     540
gtgaagatgt tttacagttt tcaggataag aggaatcttt atctaatcat ggaatttctc     600
cctggaggtg acatgatgac attgctaatg aagaaagaca ccttgacaga agangaaaca     660
cagttcttca tttcagagac tgttcttggc cattagatgc cgatcccccca gntgggtttc     720
attccntcng gatattnagc ccgacaaccc ttttnttggg ttgcccaagg gtcatgtaaa     780
```

attn

```
          <210> 3601
          <211> 772
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(772)
          <223> n = A,T,C or G

          <400> 3601
gnaacctana aacagctatt gaacttgtng cacgatccca tcgattcgaa ttcggcacga      60
gannaaaggt gtgagccacn gcgcccggnn tanntaagaa nnatnantnn gnncttgcng     120
nanaacatct gtnntnncaa cttantacna acaaatatna nnattaaacn cttcactttg     180
ncttnnnaac tgntcnaaac actgncactt tggcttnaaa actgctccca caatntngct     240
agcatttttg gngattcaac attcatgtca aaccaccaca ctagggctcc ccagttnctt     300
nattnactca ttgttgcatg cacanatttt ggtatgatct atctcagccg gtcctactcc     360
ttnggggatt ccttacacct ccaaaatttt gaattataag cntttttctc cnaganctcc     420
ctcattnntt tacttatctt aatcattctc ntccaacanc acttnatnta ctttgggaat     480
gccaangaat ccgatntctt nttcactcgt cattacctct ntgcctgctc tntcttttct     540
tggntgttat ngacccagtt tagaggatgc agagtncttn aatataatca ctactttgaa     600
aacatcctca gctgttttgc tcctnttgac tttgcttggc aaaactcagn cntggctaaa     660
acttntggcc atttgcacct gcctcaaaca ctggngctgg ctacaaacaa ntgctaccag     720
catngactgg ntccacttng naattcggac cncacctcat gtaggnnctc ac             772

          <210> 3602
          <211> 771
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(771)
          <223> n = A,T,C or G

          <400> 3602
ctaanncngn gngnctcgna ctngccgaac naaanaggct nnggcgcatc tgtagnaatt      60
ggctttccgt ttgcatattt aaatgaactt tgtggctttt gttaagtata ataaaaagca     120
tggagtcaaa tataagccaa gagtattaca gagacttta ggctgactca gtatctcaag      180
ttctgtgtag attcatctaa acactgctgt tatccatgct atactttacc atgttatccc     240
aaaagggaat catcagcaaa ttttaccaga aactgctgaa ttcaagatat attcaatata     300
tattatactt ctgacatcct aggaagccta tccaaagaat acattacttt gatagaattt     360
gttctttatg aaaattcatt ttgactctca ttgataactt tattccattt tggggagga     420
ctgaggagtc agtgggatgg gaacagagct aactacaaag tctttgagtt tagatgggca     480
gcagaagggg aaaggaagta ggccgtggga tatataagga cttttccaat ggaaaacaat     540
tgtcagtgga acctctatga ctacttgttc aatttcagaa ttaaacttcc tgtatatttt     600
aggtggaatc aagctgagtt ctagtcaaaa tgctcgcatt atttcccatg aaaaatcccc     660
caaacaccaa gcagacagaa cagtggttga taaacccatc atattccatt tctgaagaaa     720
atcatcaagc cccaaatctt gttttagaaa atttctcaag aactaattct n               771

          <210> 3603
          <211> 732
          <212> DNA
          <213> Homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 3603
tgnnnnttga ttnnngcnnt tgtctttctg caggatccca tcgattcgaa ttcggcacga   60
ggtttctttt tttcagagtt ttgctgctaa gaaatatctc ctcaacattt gacttcatng   120
tggccaataa tggtctctga attgattcag acattcacac agcttgaaga agatctaaaa   180
gatgaagatg agtcattgag aagcaccaac aaagtaaaca gaacgaaagt ttcagtcccg   240
gatgcaaatg gaccctcagt gggggagata ccccagagtg aactcatctt gtatttatca   300
gcttgcaaat tcttggacac agcgctttct tttccacctg acaagatgcc attatttcaa   360
atttataggt gggcatttat tccagaagtg gacacagagg gccctgcctt cctgtcggat   420
gtagaggaga atcaccaaga atgcaaaccc cacactgtca ggattctaga acttctaaaa   480
ttaaagtttg gggaaatcag tagctctgat gagatcacca tgaagagtga attcccgctt   540
ctgcgccaac attctgtttc cagcatcagg cagttgatgc cattcttcat gactctaaat   600
ggtgcattta agacccagag acagctgcct gctgatagcc caggaactcc attcttggac   660
tttcctgtcc agatgcccaa ggatcttaaa acaactggga agaatgcatc gnaatatgaa   720
tttctggaac cn   732

<210> 3604
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(858)
<223> n = A,T,C or G

<400> 3604
ttntttnaat tttcnaatnc ttgctctttn attccgnagg atcccatcga ttcgaattcg   60
gcacgagggt agcacaggcc tgcccttgca cccatgctgt acagtgcggt tactagactt   120
gtggccgttg ttgtgctgtc ttctcattag catgcaatat tcacttgact gaattccttt   180
ttagctaaga gaaatattac agggcatgat cattttaggt tattaaggtg tctaactcaa   240
tatgtaaact gctgaaaaga attatatgtt tntatcagat aatctcaaca tttcaaaaga   300
caacacattc agactacttc cctttncccc caacttttat ctaatgnctg naaccccat   360
gactagtgnc cnaaanangn gttttagtna aattnnagtc acccgtggat nacaaangca   420
accctggatt cccaatcctg cttgtggggg ggtttnntng gccaaatnga nttaattttc   480
ttgggcaana aannttttnc ttcttaccat taccnggaac cccantantt gcccaaactt   540
ttggnnaatt tttttaagg aaaaaaaacc tggaaatngg gggttaaatt cttggnaaaa   600
nttnttttt tttaaaaaac ttnccatttt attttaaaaa aaacccccn tttaaacctn   660
gggggntcct tttncctttt tggaccttaa nttaaatgga anngatttgg ggaacccaat   720
anantnaata nnantatnnn aanaananaa ttnattnatn ttntancnaa ntaaaaaaaa   780
aacccctttt naacnttttg gnggggccgt ttcccnnaaa cccnancttan tnanaannnt   840
tnttaatttn ggcaanct   858

<210> 3605
<211> 1718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1718)
<223> n = A,T,C or G

1061

<400> 3605

```
nctctaaaaa tatctttttt nattataaaa ctttcnaaag tcttatngga cnttngggna      60
actccttaaa aaacntccnt naaaaataaa ggnaggntct ttnnttgggg ncctcccaaa     120
nantttcnna tactctaact gctcancnca cnctcnacca tcactcaaca tntatntctn     180
tacacattnt atctcncana cnnantacna ctctnattac tctnctatat atntacnaaa     240
ctactntcct natnntactc tataccnata ctctctctat cntctatctn tntcatactt     300
anagnngncn natatcacta tactanatca ctctnnnctc atacaccant ntnccntatn     360
tatntcntca natctcattn nttatntnac natannctac acncnntnac atctaacata     420
nntnnataac natctcannt tatctnntnt ncaannctcn nntatcactn cnattcattn     480
aannacttan accnccnntc annnnnnaca ncnncacntt anctnntctc cctannctna     540
ccctcncata catattnnnt anncnccnat ccttacntna caantntcat cctancncnt     600
tcnactntca ttctccnttn ccttnatnac ccaactcnca ntcacaanat ncntccncac     660
cactcttntc antacncaac ctattcatnc nncatnatan tntntanntc ncatacacna     720
ccccatncta tnatcaancn ntcantcctt cntttntaat catnnanccn nctcnnctcc     780
tatntatgnnc tctgccccta nnntatcatc ttcacnacaa cncnactctn nctnccanac     840
natcntnata nacncantnt cactntattc taacatnant nnanaccacn tactccatan     900
tcnntctaac atactnnatt aanaatanat tactnctcnt atntcctnct atctcnatca     960
ctcctccncn ctcattacac atctcttata atctncnnat ncncatntct ntcatctctt    1020
ntatcntctc tatnnnactc tcctatcnca tntatcnaan cattactntn tntatanatn    1080
acactctcnc atcnctcata ncactatntc ncttnttata tatntanatt atcatcgtat    1140
acntcnctac tctcnatcac tcatnatact atanactnta tnccncatat cacanacana    1200
cctntcatnt ntcacactcn ctntnntana ctatntcnca ctcctcacan ctctcatatc    1260
tctatacatc nctactctnt ntntnctntn tnatcntctt ncattntntn ctctatcntt    1320
tcnntcatat ncgntntcan atntnacnat catctctncc atctntctct ngtctntnat    1380
tncttccacn atctctcttc anntttacac acacntacat tctatnttct ctctatcttc    1440
tnctctnacc tntctcnctn anacnacata tcttatatcn nncatntcat nacnnctact    1500
atcatacnca tantacacca tatntntnca tctctctncc antnccntat ctctatacnc    1560
tctatatcnc ntttcatata tanttacnac atnnctatan attcntatat ctctaccata    1620
tactntcttc tactctatca ngtaantatn ctaanntatt attatatcnc ncantctctc    1680
tcacncaccn ctctatcnca tcntntctcc tctatccn                           1718
```

        <210> 3606
        <211> 1015
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1015)
        <223> n = A,T,C or G

<400> 3606

```
gggggntttt aaannttntg ggcttgttgg gttgcaggat cccttcgatt cgaattcggn      60
acgagactgg actaatatca ttttaaataa tattgctntt tagcttcaaa agacagagcc     120
tccagcatat tattattatt atagtaatct gattctttag caattcagag aactcacctc     180
attagtgctc ccttgctcta tctgggcctg tgggaaaata cccttgcatc tttctatggg     240
natggnccac nggancncca tctgncttta acattttga agnattggac ttttnaagga     300
agcngnacnc aattcccntg gtncntncna ttctagaanc ccgnaancgt ttcccngncn     360
anttaaaggg gaanttntcc ccccttgntt gtttgccncn ccccngtttt ttacagnngg     420
gccggttttt aaaaaagana ngtgnttntt nttnaaaaaa ttannatann nntcnntttt     480
nggggccatn ncccttntng nncnnnnngg tgtatgnacg aaccnnannn atnantntta     540
ntnncnnntt ttnanttttc ccacgnnctn tnnttncaat tatcnantct cnggtactcn     600
gggcctcnat cncaantnta natacccctt nnnntgcgnc ncnananatn atgnnncncn     660
ctataantnn ggantgttgg nnnccnaana natnntntan tnatangtan tgtnnntctn     720
nnnnctatac ccnctgtngn ttgtgcancn ctcgngtacn ctnnnnacan natnngntat     780
aatanntngt ctcccnntag ntgntntana gtgacnntcc ttntttaang naccatctnt     840
```

```
cggnnancgt nactaacctn antttancan ctcntcntat naaancgtna cccccgctnt    900
gnaatggngg gaatngnatn nnnaagtnnc ntnacaangt nnngtcttan ngtntgcctt    960
cnctcgtatn tntannttgc gnnacanngg gtgnnnaann taaaggnncg cgccn        1015
```

<210> 3607
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 3607
```
tggnntttna aatttttnat gcgttggttt tgcggattna tcgattcnaa ttcggcacga     60
gcctagttgg ccatcagact ttcagcaact tttatcatcc agatagtcac caaatgaaat    120
aaaatagaaa aatcccttga gcaatgaaac aattgtgaat gaacacaaag tccatgaatt    180
taatccttat ccgtttgctg agccaagcat gtgcatctgc agtgggtggc ccaggctggc    240
agcacagata ccaccatttc ccttttcttt gctcagggca tggcctgttt atctcgttgc    300
accagatgan gggttggaag gatgatggtg gtggttgttt cagatctact gacagcaatg    360
agaaatcaat gacagttgac aggaagagag gacccntcca caggcaaaag aggaatgccc    420
agcaatcttg gtccttgcng tgcaatactg gccttgaggc caagtcagca ggggattcgt    480
aagtcactaa cttctaactg aggcagggaa agtaccatgt tctggaaaan gtnccaagaa    540
acnnggaatn gangcagtgt ancaagaagc agattttggt gcccaataga tttgaatcct    600
ggttctgctt cttnctttgt agagtatgat attgggtctt ttnctnccaa agctnttntt    660
aaagacttaa tatgtncncc aaatctttтn ggatgtctga cttttnaatg cttnacaata    720
ggnatttgct ggnattatta                                                740
```

<210> 3608
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 3608
```
tnttcnaant tccnngctct tgtcttttgc aggattcctc gattcgaatt cggcacgagc     60
ttggaggctg tttccagcta gagaaagacc tgcttatttc tcactgaata aggttccaac    120
aggctgccaa atcctgtgta tgcctgtacc caaatggaag gagtgccttt cctcaattca    180
taaaaaagac aaagacagtg gtagggatca gctattatgt cagtacatga aaggaacccc    240
ctatctcaat caaaatggta aaggaagctt gtctcaaata acagcaaaga aactcagttt    300
accagactat aaaagttctt tggtcaagaa gataaagagc tctncagaat aagaatacct    360
atacatgtat ggatgtgtgg aaagtcgaca aaatgtgtnc aagcaagttg aattctggaa    420
actttgagtt tagcaaatag gagggtaaga aggctgttac cgtatttgag gaaccagatc    480
ttgaagggtt catattccat aataagtata atatgaatat taattttgna atagaacagt    540
ttctacctgt ataaaaagga agccttaaag agatngaagt tagagattta ctcatanggg    600
ggatgattgg taactactta cttatttccg gaatntcaaa agaccctant ggaatngggg    660
gattntangg ggaaaaaaat ngacctcttt tctcaaagat gaaactgnaa atttttttac    720
cttaagaccn ttgnaanaat ggaaattacc ttttttaacct tgg                     763
```

<210> 3609
<211> 730

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(730)
        <223> n = A,T,C or G

        <400> 3609
cgtnttcaaa ttttnaactc ttgtcttttg caggatccct cgattcgttg gtgtgtaaat        60
aaaactttag aaagggtcta ttgaactttg gacaggcaag ctccatgagc tctccctcac       120
tctttgaggc aggttaaagg gtacggccat gaccaccacc ttaatccttc agggactatt       180
tacaaaagat tgaaaaatgt gcccagggcc cgtacctgcc cctctgtgga actagcccaa       240
ctcaagtggg ctggcaggca agcctggctt tcatggggac agaagagaga gtttgcgggg       300
agcttggcat ttttcaacac atgctttttg gcttctccta ctgnattgna atttccatga       360
tatttggtgg gaaaaatgga cacccggnct cttttgcttt ttgnctgctg cttttcagct       420
attggggatt ctgcgccttg ggataatgaa gcangctgtc atttncttcc cctaaataat       480
gcattacaaa gtggaaatgc aaatttcctg tgcaagctct aaataccagg tggtatttcc       540
ttaatatatt gnttttgacc tttggggaaa ttggtattac nagctgactt tggaaattaa       600
aatacatcaa ggncctcatt ttaaataaaa caatcgatat cttaattttt aaatcagact       660
ngattcnatt ccnggaaaag acatncatat ttgctttatg nggtnaaagt ttggaattca       720
ggaggacaat                                                               730

        <210> 3610
        <211> 706
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(706)
        <223> n = A,T,C or G

        <400> 3610
ntttgaaatt tcgntantnc ttttnttttt gcaggattca tcgattcgaa ttcggcacga        60
gatacgatgg ggtgcttggt ggatgggcca tggaggtccg tgagctggaa ctgggcacac       120
gccatcccag agggctcagg atgccccagg aaggaaagaa gggcaacaga ctacacgatt       180
ggacgtgtgt ggttgactgg gatgaagttg gagggagggg cagggccttg caggggattg       240
gtactgatcc cagggaggaa agtgttgggg cttcatgaac tangatgaaa ggagcccctg       300
accatgacaa ggggcacatc caggatttnc gccaccctga atttagtaga nctaatangc       360
cctggttgtt actnttgggc aaggaatgcc gtnaaccttt ganggtncgc acccacttgt       420
gtgttgccct cttgtnctgn cggggaaaca tncaccccectt gtcttaacca ccaaactttg       480
cttgtgtnnt cancaanggt tgnccttcc caangactta ctgnatgtac ccngaccctа       540
agccttgcct ttcacatatt nggagctttt ggattcatnt gactttgacc ccntctgctn       600
tcacttgngg cctgaactgt tgatcaatgt tggcanaatn aaccnccttn tnnanctaaa       660
gctactttac catccatata atgggattna aaaaaaaaa aaaaat                        706

        <210> 3611
        <211> 885
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(885)
        <223> n = A,T,C or G
```

1064

<400> 3611

```
ttnttcnaan tttcggantn ctcnttctat tgcaggattt natcgtcctt aatttcggca    60
cgaggcaagc tggagagctg cagaggctgg tagcgtggct cagtccaagc acagaggcct   120
cntnaccatg gaagctgatg gtataactca gtctgaggat gaaggcttca gaacctgggg   180
gactacaggt gcaagttctg gagaccgaat gctggagaac cttgagttct gatgtccaag   240
agaaggagaa aaaggacttc ccagctccag aagagggaaa aagcaaattt ggctttcctc   300
tgtcttcttg ntctatctgg gtcctctgct gantggatgg tncccaaaac ttttgggtga   360
aggtagggct ttcttaccct gntcatggat tcaaatgcca atctcttttt ggaaacactt   420
tttccagnac ataccccctt naaataaaaa tnttttancc ttgtatcttc ttnttaaaaa   480
ntaataaaaa aattttttaat attnntatnt tncnntnttn nnnnnccntg ttnaanntnt   540
attttnntn anngactnaa ntcnntacnn tnnctcttcn ntannatnna antntcnant   600
tnancttnna ntnnatcttt tntanntnan ntanatcnnt tntannncnt tnnatantna   660
ctatnntctt tgtttantnt cacanttatc tnntctctnt nntatgttnt aattctactn   720
tnnntattta aaatgtcnat ntntatctnt nanaccatnt tnncncanan tntttatcta   780
nttctananc ctttatnntn ttntcnttat ttnntgtctt gtntntatcn attttnttat   840
ntncnnntan tnctntantt nttannattn antananntn tnccn                   885
```

<210> 3612
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 3612

```
gnnnttttaa atccagctct tgtcttttgc ggaccctcgt tcgaattcgg cacgagaatt    60
gataataatt agacaaactg aactaaattt ttttaacaga tacctgagtg ccaagcttaa   120
cagatacctg agtgccaagc ataataaaca ggaaatatac acttcaaaaa agaaaaagaa   180
aaatgaatgc atacttatca aatacttgct gtaagagcat taagtacttt acataagtca   240
aatcatttaa tcctcatgac cctaagaagt tattttaaag atcttttgag aatgagaaaa   300
aaggatgagt aagggtaggt gatctatgta aaacaaataa attctagtna ctggcaaagc   360
tgagatttga cctaaatcaa tctgccagaa gttctgagtt attttccatg tgcctcacat   420
agcagaaagg gagatggcat aagcacatnt caggcctaga ggtaacatat actctggcaa   480
aagcntaaaa ggtctatgaa attttacagc aaggaaaggc tatttctaac agggaggact   540
cagaggaaag gaagccaccn tttaaagttt gggtacctgg aatnaatttc ttaagacntt   600
tccccagatn ggaggacccg gggaaagaaa gaaanccttc ccaggaaggg ccaanccngg   660
agccatggtg gtcaatggtg gtggtttaan gggccngaaa aaaattnggt ggggaaaccc   720
cnacccccag gnccngggaa aaaaaannnn nnannnnnnn nnnnnnnnnn nnnnnnnnnn   780
nnanaaaanc ctc                                                     793
```

<210> 3613
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(870)
<223> n = A,T,C or G

<400> 3613

```
ntttnnnnnn tttagngggc cnttgcgntn gntctttctg caggatccct cgattcgaat    60
tcggcacgag caacagtccc aaccagtcga attagaccca tttggtgctg ctccntttcc   120
```

```
ttctaaacag tagatacttc tgatggattc tcggcattaa ctcctgtttc aaaaaagtgt    180
gaacagtttt atgaatttga aagaaaattt gggtagctct ttatagcatt cattcttaaa    240
gatcagtcca gaatanggtg attctaaata aacccaatng aagaatgaag tatctctaca    300
gggtagtaac ttggattcct cttcagggag aaaaagggag ccttaaattt gcaagcctct    360
taacctaaag gggtttcttg gntncctngc cttttccaac cccccnnaaa tggcnaagtt    420
gttgggggcc ctttncccat tgnnaaaaag ccccctttgg ggaccntttt ttaangggng    480
gngttanncc cncnttttnt aaaagggncc ccntnggaaa cccggtggan ttttttggat    540
attcncnaaa agnggcaatt ttttattngg ngcnntnttc cccttcaaaa anttanggg    600
gnaattttct accataccnc ttaagtttnc accccttnngg aaaattttt ttttaaangg    660
gccccntttt taaaatttcc cagacaaggt taaaaaccna tnttanttat tntttnaaag    720
ccntttnnaa aaggtattat ttttngnnna agggcnntaa antttnagt ccttannccc    780
ttttttttcnc aaaanctanc cnnnaattaa ccgcntttt ggggcctaaa anaactnggn    840
catttttta aanaaaaggg ccntnttaat                                     870
```

```
    <210> 3614
    <211> 1046
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(1046)
    <223> n = A,T,C or G

    <400> 3614
ggcgggtcct ccgnggaaaa acccctttn gggaaattcg gggtagnnga aaacnctttg    60
gggnaaacct ccgncgcnna aaangcgcng agnnnngngg aacggngnnc cacnngcann    120
nnnntnnggn ggancccnng gnacgggttt nccnccttn nancgngacn ngngggcacg    180
ggggancngn gcacnagnan canaangcac ggagccggcc nnaangngan agtaanncnc    240
ctaangaang tagangannn aaacatggnt ncnccacaag gcangagcag caccttgggg    300
ctgctggnaa gcccnnnatn atgggggncn ncttggacna ngtncnggca naaagggggc    360
ggggggcatnc naanccnnnc ccctcnncat nngcaancnn cnnancgggg naacccaacc    420
agngcgaaat anccancggn gccntnaatg cgcnaaacca ngggcanca cggagggncc    480
tnngcgcggn nacaaggcnc acccctngna cacgngngng gggnacnnca cncccanacg    540
agcnggcanc gnanccccnn ncatnanggg acccctacnn nnnnggggcg nnannntnng    600
cgnnggggc acantaccan nanacaccgc gngcganaca nncnttccaa accacggacg    660
aaannaccnc gggagnatan taanaccnac nnccaaanng gnncangcac aatcggcaac    720
ccntgggnnn ntncntnang ggagcccgga ncccccacc cagnntccnn gananncaat    780
gnncnccnnt cnannaccnc nccnntaanc cnggggcnca gnggggnaang gnngagnccc    840
ccnnnacggg ggncnttana gnccctaaan antnacccn ngnntncaca aacnncaana    900
agnggcnann nccctcggn ganncaaaag nncgcgancg cnnnnanncnc cnnnangntc    960
ntcngnncnc nccacnnggn cntccgcncc gggagnncan nggnnnnccc ctncnctncc   1020
naaaagcngn gcntcnnnca acccnc                                        1046
```

```
    <210> 3615
    <211> 743
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(743)
    <223> n = A,T,C or G

    <400> 3615
agggctgctc ttgttctttt tgcaggatcc catcgattcg aattcggcac gagaaaagga    60
```

1066

```
gccagaactt gatgattttg aaaattctca gcctttctgg ttggcagagg gtgatgaaat    120
tgagacacgg caaagatcaa ttcaagagcc actccgggga gaatggcggt ctaaagataa    180
agccaagact gtgcctttaa agcctgctgt taagacctga naaggtagtg ccttagcatc    240
ctcttcagtc acactcaagg cctctccgtc aaacaatagg gcttctacct ttttagcagg    300
agcccaaggt agaggtanaa gagttcctct tggagagatc tatgggtata gcttttgnct    360
attgcngtga gatatgcnng aaatccactg tagctaggac tgacnngaaa agaacngtnc    420
naaatgaaaa gagctgtcgg cacccctagc attctgctgg caggaaccag ctgagaaagt    480
gctcangact acacatgccc ctttcatcaa aagggaaaga tgactcanaa gttggaagca    540
ngagcctaga natgaaggcc aaaagtcatg ggagaattct ttttccaatg gttgagancc    600
taattcangg aactttcaag nggtttgncc ctggctggga attcannaag tccagtattg    660
ggatcaatgg actctttttg nngcccccccc caantttcct gggcctttcn ttttggtang    720
aaaaaagggt ttttnccct ttt                                            743
```

```
        <210> 3616
        <211> 906
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(906)
        <223> n = A,T,C or G

        <400> 3616
gnnttnnttt ttctaagggc ttgctccttn tntttctgca ggatcccatc gattcgaatt    60
cggcacgagc ccacacntgc catattgaac cgtttctgca ctaatcttct ncacgggcac    120
ngcgtggagg gaacgtctag gggaaanggg agagcttgac ctccatctag gttacttta    180
tctggnnaaa aangaacact ttttggactt antgtaatng ctntngnccc tgtaaaaggc    240
aangctancc ncttaacttt cccanntnna cctttagc caggaacca aatgnaaagg    300
gttaatggtn tnncatggaa caggactact ttgcttcccc tttggnggac aaantttccc    360
tagaaacaan cttacccttn aaaacaccca aaaacnttcc caanccccan cntggnttgg    420
gcattagnga agcatggtng gtncccaaac tttacccaaa aggggacntt ggggagccca    480
cccttntga cttcttgtgg gaaattactt tntannngag gaacctggac ttggccttgg    540
antanaaaaa ccccttgtaa atttnccctn naanttancc nnattcccct taaaagacnt    600
tttntnttgg gaaaganttc atttngcctt gntacntatt tcccttttt tgnggtggca    660
ttaaaattaa ttttatttaa accttggttt caaactggac caacatttgg gttttcttnc    720
caacttangg gaaatttttg gaanttcnaa aactgnttcg ccttttgaaa gancttngct    780
ttttttttgg naaaanngtn ttnggaattt gggctgttaa ccnaantttc cnttntttgg    840
aatcccnnna ggangggcn anatatcttg gggcaaaaaa aatnnctngg tacccctttt    900
tggntt                                                              906
```

```
        <210> 3617
        <211> 1235
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1235)
        <223> n = A,T,C or G

        <400> 3617
ctaatnctgt aacctanntt tcttgacgcc nncntcgcnc taaactacnn tgnctnnggn    60
nctccnccct tacnccaccc ctcacccccn tcctttnnnt ctccgnngcc tnccccccccc    120
ctcccnnctn nntgcccnnc ncctanccn ccccncnnct tcnnctcgn cnntcnctct    180
ccnttcccnc ctcncccct tcctcncnnt ctnncccct cccccccctc tccgcacctc    240
```

```
tctntccccc tcncctgtct ccccncccct ncccttcccn ttcctctncc ccnntacttc    300
cnctcctccc ncactccctc ctctcnnccn ctncctntnc tnccnctcan ccccctctc    360
ccctctcacc cnccttcccc cnnnnccct ccccctctc tnnntctcct cnnccncnn    420
ctcctccttc tccctnncan nccccctcnc nccctctacc ctnctcccct nntcctccct    480
ncctacctcn accttccctc nnnccntccn acncnanncc tctcntctnc tccntnctct    540
cnctncttcc ctcctnccta tnccnncntt ctcccntttt ctccnnctcc tcctccctcc    600
nnctcctcct ctcnttnnat ccctctcttc ccnncncntc tcngcnntct ntcntctctc    660
ttcatcatct ctctcacatc tctctctctc tctctcnctc tccactctct tctcntnttc    720
taccctctct cnctctntca ctctctccct ccctctancc ttnctctctc ctcnccttn    780
tntcctncct ctctcntccc tcntccttcc ccnntcctcc tctctcctcc ntctctctcc    840
nacctcctcc tcccccttca cttcctcccc tctcctcttc cttccccncc tnccctctccn    900
ccccctncncc ttcnngncat cccccctctt ctctcncctc ttccnnnccc ttccttctcc    960
tcanctcacc ctnctncctc ctcctcttcc cctcctctcn atcccccccc ttctctctcc   1020
cctctatccn tctccantcc tcncctctcn ctcnncttac tacacnctcc ctctcccccc   1080
ntntcctncc ncctcctatc cctctcnatt cctccncttc tccttntcnc ctcnttccct   1140
tctcntnctc ctctcccctt ctntcctnct ccctccttcc ntctncncct cctctcntct   1200
ncttcttnct cnctctccccc cnntctcctc nccct                             1235
```

        <210> 3618
        <211> 999
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(999)
        <223> n = A,T,C or G

        <400> 3618

```
ggntattttna anttttctaa aagcttngct actttganct ccgtnggatc ccatcgattc     60
gaattcggca cgagcccaac cccaggtgtg ccgcgtgctg cccttgagag ccctgccccn    120
cgctgtgacc ccggagatgc ncgccctggt ggtagactgg ctggtccang tgcacgtagg    180
agtacctggg tctggctggt gacacacttt atctggcggt tcacctgctt gattcctacc    240
tgagcgctgg cccgngtgcg tntacatngt ctgcaactgc tgggcgtggg cttgcctgtt    300
tgtggcgtgc aaaatgggaa aagtgcgtgc tttccngaga cccnacttnc tnttgnntct    360
tgnnngcgga nnntcttttt ttanngggng ggaactttat tgnnctnccc aaacnntngc    420
anttcntnnn nccncccnctn gaattttcg ggcttnanta ccaaanncecn gnnccgannng    480
nttgtancct tncggacttt tttggnncnc ntccttttnc aanganatn aaatcccccc    540
aagttgaaat ntttancatt gtgncanncn taaatttnct tgggaancttt ggtanttttg    600
acttgganag ncnccnaatn gccnnnccng ggattttgga aaaccccggg ttnnctnatn    660
ngcnnggttt ttgngnnatt tttttnnacc cttggggngn ccaannnnnn attttggntt    720
tctaaaatng gggggcctng gggctttca atngggtt tcatagcncc cannnaaaan    780
tnttttttaac aatataccccc ctnanngngt aaantttgng ggnanaaccc ccttttttnat    840
aagnccctn ttntnaaaaa attttttntta aaatggnnan atcnnntnta tttttanacc    900
tntanganaa atttctcacn tnaacatttt tgtnatatan nnggatnnnc anaatatttg    960
gtnanccaaa aaatatttta tgttggacnc cnaaaaann                          999
```

        <210> 3619
        <211> 879
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(879)
        <223> n = A,T,C or G

<400> 3619

```
cnaaatacng gtacntatct tcncaaaggn nnctanntng ccctaaanan aatngngtnn        60
gggggttang nccatttga tgttacagga tacttgtaag tgacttttg ccattctctt        120
ttgttaccca tggcctttgt caccccttg aatatctctt ttactcagtt ctcactttct       180
gttgttgaca tacttgttga catgtnccac cantccatga aatgaaatac catatcttcc      240
ttgtgtngat atnactttg tgagtattta agacatatat nntnaacnaa tgtaaaactt       300
nnnaaatnga ttctcttctc atnaaaaaac atttaaaggg aacattnana atatnctnnn      360
nacntttctc tgaagacctt acnatttcta ttacttcaaa actcccnnta natcanccttt     420
ctactacnag agtgaangga anaccctaac anatctnccc tngtganttt tacctttgat      480
ctacaangcn ctcctttcac nnttcnnggt cnttcttacg ntanccgnat cctntttcct      540
ctntttcccc anccatcctt ccccnataat tgcccntcn tcnanttaac cctcnctctt       600
tgcnttgnaa cccctcgccc ccctccntcg cnnccctttn cttnangatn ctccccctng      660
ccatccnnac ccttcgcnnt aacccccanc ccctctncta ccttttcntc caaaaacgtn      720
cctnccatcc cctantcggn nantctngnc cctcnannna tncntacctc tcaanctcnc      780
cantcaaacc nccacattcn cccanannac aaanncngnn naccnnnnta ntccatntnt      840
acactctccn nanctcactn ctcnccnnnt acnctacct                              879
```

<210> 3620
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(959)
<223> n = A,T,C or G

<400> 3620

```
nngttntttn aattttcnna agncctncgc tttcaaacct tggatcccat cgattcgctt        60
ggggtgagtc tcatcttcac cctttcacca actgtcctgg taacaatctc ccttccattt       120
ccttgttctt acagcatacc ccatagaatc aagcctcgtt attgccaggg ctgaactgac       180
ttttttgttt ttgttttgn tttaagcagt accattgngc accttgggaa aattcctgtg        240
ttgatctaat tttaccatat tcttcactcc actgaccact ccaattagga tactcctggc       300
actcttggnt ttagagaggc ttagatatgt ggctatttat cctttggnc ttnancactn        360
ggntttttgnc ttttanctaa accnggantt ttcctgggga nccaaaaact tgnnaaatng      420
tttnttttcc cnaggaagtc ttcaaattnn gggaaaaccc cccaangcct tgtgnggggt       480
ttttggccan ncnaagggcg ttantattnt ngnnctnata atttttcggg gttggaaaaa      540
cccaactctg gttgggnttg ggggaatggn nccttttnaa aattttggcn ggggngnatn      600
tttcttggaa taggccncct tgggaaaacc cccaaaatnc ttggaacagc ccgcaaataa      660
anatttgggg nccttcnctg ggnncnttct ttaaaanaaa nggcctttgg gnancctttt      720
tnggggggaa aaagntgggg gccctattta aatttcggaa aacggaaata cgtntccctc      780
ancaactttt naaaanaann tncataaagg nnaanaaata accttggggg ngcccctttt      840
aagaaacccc ttttaatntn gngaccnnnn nattttaacc cttngaatat cccaggancn      900
tttggtttaa aggaanccnn ttttggatcn aaaattttg gggacaaaaa ancccccct       959
```

<210> 3621
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(839)
<223> n = A,T,C or G

<400> 3621

```
tggnnttttg aaaattncntt agggcctgct cttttcnaat cngtnggacc catcgattcg    60
tcctatttta cgtggttgtt gagaggatcc gatggaatga ctagctgaaa gtgtttgtaa   120
aagtcaggat aagtaaagca atgctgcagg aacaaacaat ccccaaattt cagcagctta   180
ctacaaaaaa atatgtattt ctcactcatg ttcatgtcca atgtgtgtta gcaaggagat   240
actgtctctc acagtcatgc aagacccctt gctggggaag ctgcacctnc atatatgctt   300
ctaccatcac cagggcagag gagagggagc atggtggatc atcactggct cttaagactt   360
tacttgngng acatatgtna cctntactca tggntnatnn ggccaaccaa ttacatgggc   420
atagnctnac tttaaaaagg gcaggagaag tgcaaactta tcatgggccc caaggagaag   480
agaatcanag tatttctgaa cagntttaat ttttggccag accttgaaag tncttaagaa   540
attagcttcc aaaaaatatt atggaatatt tttcaattct tccaaagcca gcctggtant   600
ttnggattca ccaaccggga aaggtccctg gnaacttctt aaaacttggc nagggaggc    660
cttttacctt ggaatggtnc aannaaattt anctcnattn aaantttcaa accaaggggt   720
caaaaattcc aaccgaatgt tnanccaant ggggncncca aaccttttgaa accccngnng  780
nnccnctttt nacttaagct tacttgnnnn accngaactg ggnnnaaaan ntnntcccn    839
```

```
        <210> 3622
        <211> 874
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(874)
        <223> n = A,T,C or G

        <400> 3622
tnnnnnnnnn aagagnnnnn ntttgaanct aatgctgggc tacttgttct ttttgcagga    60
tcccatcgat tcgaattcgg cacgaggcgg ctggcggcaa aacctctcga tgagcccctg   120
cccgatgccg cggggggagag gccgngacgg gaccgagaag tgggctggga gcagaggtcg  180
cggatgtggc nagcgaggcc ggggcccatg cngggaccgg aaggggcccn ggagtggcng   240
gcacgccagg gtcagggtgc cggncgaggg anggggcccg gggttnggga aggggnccng   300
gtgagggagg ttaaacagcc ttgcaggcct nngggnaccg atgttggacg gcnccngcng   360
natgtgcgag ggcccgtccc gcatctcggg gcccatcccc acatacngac gctctgtcct   420
gacaactnca tgctgccgac tcngctcaag ggcgcctcga tggaaaccgc tgaactggac   480
ttgctgactt ccnacgggcc ctggacacna ncgntgccnc tnggcccctg gcattangtc   540
cnggnggccn gaaaaggatn ctggnagnnc cggtncagcg ccngcctttc gggngacntn   600
ncttnnntgc naacttcgag gggggatct taaccttaag gttccctggg gngccctttt    660
ttttaaaaga nnggaaaagg gacnccctta angggncccc nttgaaaaaa agggatntaa   720
acccttggan ggcccggggt tncaannggg aaagaaattt tcaaaaaaan cctcntttt    780
taaaaaaaaa aacccnnggg aaacnctntt tanccccnng ggnaanncct angggggnc    840
caantncccc aaaagggncc cccctttgn aaaa                                 874
```

```
        <210> 3623
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3623
agagnnttnn tnttttgactt tnatgcttgg tctactngtt ctttttgcan gatcccatcg    60
attcgaattc ggcacgcagg tnngatcctg cactcntttt anngagccct tgncnnaatg   120
ccntgnngga gaggccgnga gcgggaccga gaagtgggct gggagcagag gtcgcggagg   180
```

```
tggcgagcga ggccggggcc caggcggggga ccggcagggg cccgggagtg gcgggcacgc    240
cagggtcagg gtgccgggcg agggaggggg cccggggttg gggaaggggg cccggggagg    300
gaggtaaaca gccctgcagg cctcggggca ccgttgctgg gcggcgccgg cggcatgtgc    360
gagggcccgt cccgcatctc ggggcccatc cccccagacc gacgctctgt cctgacaact    420
acaggcggcc gactcggctc aagggcgcct cgagggaaac gcgctgaact ggacttgctg    480
acttncgacg ggccctggaa ccacgtcccc gtggcccctg catcggtccc ggtgccggag    540
agatcctgga gcgcggccac gcggccgtcg gggacgtgct gttgcaactc aggggggatc    600
tncctaggtc ctggggcctc ttntcaagan gaaggaccct taaggaccat gagaaggaga    660
acctgagccg gatcaaggga gatttaanaa acctttaaaa gaacanganc cccaacccng    720
ggancaaggg ccaagccaag gccccttna                                      749
```

```
        <210> 3624
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 3624
agagnnnnnn ttgtanctna tgctggnnta gcgtnctttt tgcaggatcc catcgattcg     60
aattcggcac gaggcctccc gacccccct ctcccctcc ccacctatcg tcatgacggc      120
ctctccggat tacttggtgg tgcttttgg gatcactgct ggggccaccg gggccaagct      180
aggctcggat gagaaggagt tgatcctgct gttctggaaa gtcgtggatc tggccaacaa      240
gaaggtggga cagttgcacg aagtgctagt tagaccggat cagttggaac tgacggagga      300
ctgcaaagaa gaaactaaaa tagacgtcga aagcctgtcc tcggcgtcgc agctggacca      360
agccctccga cagtttaacc agtcagtgag caatgaactg aatattggag tagggacttc      420
cttctgtctc tgtactgatg ggcagcttca tgtcaggcaa atcctgcatc ctgaggcttc      480
caagaagaat gtactattac ctgaatgctt ctattccttt tttgatcttc gaaaagaatt      540
caagaaatgt tgccctggtt cacctgatat tgacaaatgg gacgttgcca caatgacagg      600
agtatttaaa ttttgagaag agtagttcaa tctctcgata tggagcctct caagttgaag      660
atatgggaa tataattta gcaatgattt caganctata aatcacaggt ttcagatcca      720
gagagagtgg attncaagtt                                                  740
```

```
        <210> 3625
        <211> 745
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(745)
        <223> n = A,T,C or G

        <400> 3625
agtnnttnnn tnangaatcc ttgctggnnc cgcgtggctt tntgcaggtn gcccatcgat     60
tcgaattcgg cacgaggcct cccgacccct tttctcccc tccccaccta tcgtcatgac      120
ggcctctccg gattacttgg tggtgcttt tgggatcact gctggggcca ccggggccaa      180
gctaggctcg gatgagaagg agttgatcct gctgttctgg aaagtcgngg atctggccaa      240
caagaaggtg ggacagttgc acgaagtgct agttagaccg gatcagttgg aactgacgga      300
ggactgcaaa gaagaaacta aaatagacgt cgaaagcctg tcctcggcgt cgcagctgga      360
ccaagccctc cgacagttta accagtcagt gagcaatgaa ctgaatattg gagtagggac      420
ttccttctgt ctctgtactg atgggcagct tcatgtcagg caaatcctgc atcctgaggc      480
tnccangaag aatgtactat tacctgaatg cttntattcc ttttttgact tcgaaaagaa      540
```

```
ttcaagaaat gttgccctgg ttcacctgat attgacaaac tgggacgttt gccacaatga    600
cagagtattt aaantttgag aagagtagtt caatctctcg anatggagcc tttcaagttg    660
gaagatatgg ggnaatntaa tttagcaatg atttcaganc cttataatcc anggtttcag    720
atccngagag agtgnattac aagtt                                         745
```

```
        <210> 3626
        <211> 735
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(735)
        <223> n = A,T,C or G

        <400> 3626
agtnnttnnt tntgactcnt tgctggnnna gcgggctttt tgcaggaccc atcgattcga    60
attcggcacg agccccaccc attagttntg tgggcctgcc caacaccttc ctgggttcac    120
atccggccag acaagaaaga agccaaaaaa ctttccgtct accactgcgc ctcctcatgc    180
ccaccccatc ctattagcct aaaatggaac gggctaatta gtttatttgt atagggaggg    240
gtttcagctg cctggacaaa accaggagtc cactgtccaa gcttcttctg ttttcctgag    300
ctcagaagaa aaaagtgtg ttagactaag ataataccgc cttttgaata tctcggcttc    360
atatttgcct ccatgagtga gagggccaag tgttatctgc aagttgaatc ttctatattc    420
aaaaatctcc atccttttt tctgccagcg cattcccaga tcagccgttc acttgctcta    480
agcctctata atctatgatt ttctttnctc tttaacctgc tctttccatt ggccagttta    540
ttcatttctc agctacagct tcagaggggc tcaccttcng cttccgncc caagggcatc    600
tggaggcttc agttctgntt tctctgctga gtcaggagcc agcccacttg atttggctcc    660
cgtgtatctt tgngtctctg ctcantctnc tgctagtgtg ccttgggtgc ctcatcaatc    720
tctttccatc ctggg                                                   735
```

```
        <210> 3627
        <211> 741
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(741)
        <223> n = A,T,C or G

        <400> 3627
agagnnnnnn ttttngncta atgctggnnt actcgggctt tttgcaggta gcccancgat    60
tcgaattcgg cacgagcccc acccattagt taggtgggcc tgcccaacac cttcctgggt    120
tcacatccgg ccagacaaga aagaagccaa aaaactttcc gtctaccact gcgcctcctc    180
atgcccaccc catcctatta gcctaaaatg gaacgggcta attagtttat ttgtataggg    240
aggggtttca gctgcctgga caaaaccagg agtccactgt ccaagcttct tctgttttcc    300
tgagctcaga agaaaaaaag tgtgttagac taagataata ccgccttttg aatatctcgg    360
cttcatattt gcctccatga gtgagagggc caagtgttat ctgcaagttg aatcttctat    420
attcaaaaat ctccatccct tttttctgcc agcgcattcc cagatcaagc cgttcacttg    480
ctctaagcct ctataattta ttgttttctt ttctctttaa cctgctcttt ccattggcca    540
gtttattcat ttctcagcta cagcttcaga ggggctcacc ttcgggcttc cgccccaag    600
ggcatctgga ggcttcagtt ctgntntctc tgctgagtca ggagccaggc ccagcttgat    660
ttggctcccg tgtatctttg ngncnctgct cantctctgc tantgtgcct ngggtgcctc    720
atcaatctct tccatcctgn g                                            741
```

```
        <210> 3628
```

```
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3628
agagnnnnnt tntanctaat gctggnatag ctgggctttt tgcaggatcc catcgattcg     60
aattcggcac gagcttgatt aggtctttag gggccgaggg actagccagc tgcacaggtg    120
actggatggg ggaggggcan gtgaggtggg tctacagagg tggcttcgcc tttgaccttc    180
atgctggtct cggctgaggt gacacgctag tgacagccca atagggggtt acccttattg    240
agtaaaatac ttcagattga cagctcaatc ttagtttgcc tccagttaat cttttatgct    300
tagggattaa atgtgtggtt ttttntttgt nnnnntttt tggagacgga ntctcgntct      360
gtcacccang ctggagtgca gtggcgcgat ctcggntcac tgcaacctct gcctcctggg    420
ttcaaacgat tctcctgcct cancctccca agtagctggg attataggcg cccaccacca    480
tgcctggcta gntttttatt nttagtanan atggggtttc acccntgttg gccaggctgg    540
tctcgaactc ctgacctgct ngatctaccc acctnggnct cccaagtgct gggattacag    600
gcgtgagcta acatgcctgg ccagggatt aaaatattca aacatgttgn gtgtacccag      660
atatgctgnt aatttangaa aaacagtnca atttctatga aatgggtggg gactatttnc    720
tgtantcaat acattnggga tat                                             743
```

```
<210> 3629
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 3629
agagnnnnnn ttgtanctaa tgctggtnta ntctgtnctt tttgcaggna tcccatcgat     60
tcgaattcgg cacgagcttg attaggtctt taggggccga gggactagcc agctgcacag    120
gtgactggat gggggagggg caggtgaggt gggtctacag aggtggcttc gcctttgacc    180
ttcatgctgg tctcggctga ggtgacacgc tagtgacagc ccaatagggg gttacccttа    240
ttgagtaaaa tacttcagat tgacagctca atcttagttt gcctccagtt aatctttttat    300
gcttaggggat aaatgtgtg gtttttttttt tgtttntttt ttttggagac ggagtctcgc    360
tctgtcaccc aggctggagt gcagtggcgc cgatctcggc tcactgcaac ctctgcctcc    420
tgggttcaaa cgattctcct gcctcagcct cccaagtagc tgggattata ggcgcccacc    480
accatgcctg gctagttttt tattttttagt agaatggggt ttcacccgtg ttggccaggc    540
tggtctcgaa ctcctgacct cgtggatcta cccacttggc ctcccaatgc tgggattaca    600
ggcgtgagct ancatgcctg gccagggatt aaaaatattc aaacatgttg ggtgtaccca    660
aaatatgcct ggtaatttag gaaaaacagt ccaatttcta tgaaatgggt tgggactatt    720
ttctgtagtc aataccaatg gggatatct                                      749
```

```
<210> 3630
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

1073

<222> (1)...(750)
<223> n = A,T,C or G

<400> 3630
```
agtgtnnnct ttgaaacctt atgctcggta tagctgggct ttttgcagga tcccatcgat      60
tcgaattcgg cacgagagca tgccctaaag agggaccagc tgtagtaggt cagtttattc     120
aagatgtcaa gaactcaagg tctacagatt ccattcgtct cttagctcta ctttctcttg     180
gagaagttgg gcatcatatt gacttaagtg gacagttgga actaaaatct gtaatactag     240
aagctttctc atctcctagt gaagaagtca aatcagctgc atcctatgca ttaggcagca     300
ttagtgtggg caaccttcct gaatatctgc cgtttgtcct gcaagaaata actagtcaac     360
ccaaaaggca gtatctttta cttcattcct tgaaggaaat tattagctct gcatcagtgg     420
tgggccttaa accatatgtt gaaaacatct gggccttatt actaaagcac tgtgagtgtg     480
cagaggaagg aaccagaaat gttgttgctg aatgtctagg aaaactcact ctaattgatc     540
cagaaactct ccttccacgg cttaaggggt acttgatatc aggctcatca tatgcccgaa     600
gctcaatggt tacggctgtg aaatttacaa tttctgacca ttcacaacct attgatccac     660
tgttaaagaa ctgcataggt gatttcctaa aaactttgga agacccagat tggaatgtga     720
gaagagtaac ccttggtcac atttaattcn                                     750
```

<210> 3631
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 3631
```
agngnnnnnn ttttanctaa tgctggncta ctngttcttt ttgcaggatc ccatcgattc      60
gaattcggca cgagagcatg ccctaaagag ggaccagctg tagtaggtca gtttattcaa     120
gatgtcaaga actcaaggtc tacagattcc attcgtctct agctctact ttctcttgga     180
gaagttgggc atcatattga cttaagtgga cagttggaac taaaatctgt aatactagaa     240
gctttctcat ctcctagtga agaagtcaaa tcagctgcat cctatgcatt aggcagcatt     300
agtgtgggca accttcctga atatctgccg tttgtcctgc aagaaataac tagtcaaccc     360
aaaaggcagt atcttttact tcattccttg aaggaaatta ttagctctgc atcagtggtg     420
ggccttaaac catatgttga aacatctgg gccttattac taaagcactg tgagtgtgca     480
gaggaaggaa ccagaaatgt tgttgctgaa tgtctaggaa aactcactct aattgatcca     540
gaaactctcc ttccacggct taaggggtac ttgatatcan gctcatcata tgcccgaagc     600
tcaatggtta cggctgtgaa atttacaatt tctgaccatt cacaacctat tgatccactg     660
ttaaagaact gcatangtga tttcctaaaa actttggaag acccagattt gnatgtgaga     720
agagtacctt ggtcacattt aattn                                          745
```

<210> 3632
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1304)
<223> n = A,T,C or G

<400> 3632
```
gnnagcgttc ncncttntng gaaaccnttt cnaantngct ggggaacncc gaaatcgcnn      60
nnagggtcgc natgcgantc gcaaagtcat accaaaactt cacttaagta gtccctattt     120
```

```
ttactccagt gcttatnnca ttatctagca gaatgtacct tcattngatc cactatttac    180
cantgattaa agtggagcng tcngtggagt tatacgnnac tnngnagact tntgtctanc    240
gaaatacann anacaaccnc anaggaccat aantttnatg cctatagaac atnnnangaa    300
acaggagcag gatcntngtc tataatatan caaacttgnt tnnacatacc tancnacaac    360
ctacaaatgc tcttanaacc ancctanctn antgctnccn agttttnctn ggntnaactc    420
cnactnttng gngcaantgc aggntcacnt anctncnatt cccnantgna naaactnnnn    480
ccccnnanan ctntnntnta gctcannnct ctttaacnac ntnnnnatnc ntttannat    540
cagccaggnc accnacanta nttcanttcn ttnnccaatc annactgnaa tntnncnctt    600
nnctntttnc ncttctnnct aacatcacgg ctatncgcnt aaatnttcta cactcacggg    660
tgananactc ggnctnacan tctncgggag nctatacctn tcgcnnnnca cagtntgcgn    720
tatnncncaa taagaanaan atctncnctc nnananantc nccnttcctn aaccannaca    780
nnntgnntct catnnacnnt ncgtaangcn agtacncgcn tantcancat actnacatan    840
nagtntatcn aactntncnc ttctntnanc tananacgtn tcacncttnc ntatanaact    900
cntattanac tcanacnngc tcctnngnga tngtnctctc tatnganann nnnncannnc    960
tanngnnnat nactccgacn gtacacctat ataatagant ctntacncct ctattcatca   1020
gatnnanttc tcanagantt nnnnntaaca ttatncncac tanacnatgn tcanccctna   1080
nattcggnnc nctacacntn ctacnccatc tcnagcntnn tacttctcac aannnancct   1140
nctntacncn ntacanatan tatcacanat ccncgnaant ntntntncnt cntagnngta   1200
canactncan tctatntcta cnnataaata tntcctatcn nctcanatcn cncntntant   1260
cngntacgnn tntcgcannc nctcctcatc ntntcngnac ncnt                    1304
```

<210> 3633
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G

<400> 3633

```
cnaaatncct gctacttttg atttccngna ggatcccatc gattcgccga tttacagatt     60
gaagcggtaa attagtggtt ttatggtatt tctgtaaaca gggataaagt ggaccctgac    120
aaattcaata ttgtctgaag agacaatcta ttctggttct gttggacttc agggtatttt    180
tctttttttg taaaatgaaa actacaaaga aacctgactt ttcaattttt tatacatgta    240
attttctaga aatctaggaa gtcatttaca catccttata taccatgagg ggcaaaagta    300
agctttcttc ctcccaaagc aaaactcttt ttccttaagg agctggaatg ccaccttgaa    360
attctgagtt ttgagctttc agtcattttt tggctggaat aggtgggtga aatttcctaa    420
gtctgctctg tgatgtnccc ctgaagggat gcancatgaa ccattggtcc ctttatgcga    480
tcatgtcccg ggctgcactn acanggtttg gggcanaaaa aanccaaaca tttcacccac    540
aggcaagctt gcttntcggn aacccccnaa gctgggtcct gcgacagaat ttggtnaagg    600
acccttnacc gnttggtcac tggctgcatt tgnngccaan acccccccc gcctnattnn     660
gaggatttta aaatttggan tgggttggct ggccttgcac ttccgnanct tatgcctaaa    720
aaaaattttc ct                                                       732
```

<210> 3634
<211> 1278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1278)
<223> n = A,T,C or G

1075

```
        <400> 3634
ctaccgcctt  atgntatcgn  nctttccnna  ananananangc  tnggcgaatt  cggcacgagg     60
atctatctct  tctccctgcc  cattaaggaa  tcagagatca  ttgatttctt  cctgggggcc    120
tctctcaagg  atgaggtttt  gaagattatg  ccagtgcaga  agtcnnancc  nccccccnnc    180
cncntcnnca  cnccctcnc  ncnttcctnn  ntcccccctc  ccnnntccnn  ccnnnnnnct    240
nancancncn  ctnacncnct  cncnnctcnn  ccncccncca  ncnccnacn  ccaaccnnnn    300
ccnnncnnnc  ncaccanccc  tnntnncccc  ncnnatntnc  tccnanccnt  acncncnctn    360
ttccntcntc  tcncnntcnc  cncnccttnn  cacnnctctc  ntacctccnc  nctncntccc    420
nncnncnncc  cccntctann  acncctannc  accccccnn  atacanctcn  ccnccnccnt    480
tcnccccncn  ntcanntcnn  tnntccncnc  tnnnncctcc  ncnnntttnn  nantccaanc    540
nacnnccnnt  nccntcttct  ntatcnctnc  cttaccctcc  tccctactcn  ctctcncctc    600
cncctctccc  tcnncctcnt  ctnncntctc  nnnanctctc  ctcnncccnc  cncactttcc    660
anccttctnn  ncacacccat  tccnntacac  nnncncnncc  ctnncctcnt  cacnnnntct    720
cncnctcctc  ncnnanncnn  nctncannac  ncncnctccn  ctctannann  cnccnnncnn    780
ncnccncctn  cncncatctc  tnnctctnct  cntntncnca  tctcnntntt  ctntcnncnc    840
acncacttcc  actnntcnct  cctcctannn  ncanctcnnt  tctncccnnc  acnatnatnn    900
accncnnnnc  tncatcnnnn  tnatcccctc  tctcnctctc  nnttcanncn  cacnacttcc    960
ctcccnnntn  ctatcncant  cnttcacnnc  nctcttccnc  tntatatntn  ntacnctcnc   1020
ctctcacctt  cacatcatna  tacnacnaca  cntctatnna  nnctcncnct  ctancnctnn   1080
ntacnnccan  nnncnnctnc  accnncntcc  tttccncctn  tctctnctnn  catctnnnnt   1140
nantctntca  nntctctntc  ntnctcttnn  actctncncn  nctnncacna  ctntctatnc   1200
nnccacnaat  cancatcnct  cctctctnnc  cntctntctn  nnctctntac  tnancacatn   1260
tntcnctntc  tctcccct                                                    1278


        <210> 3635
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 3635
gnnnttnnan  nccnnnttnc  aaatngctag  gctactngtt  cttttttgcag  gatcccatcg     60
attcgaattc  ggcacgaggc  tgtttcctca  agaaaatgaa  gagggaagga  tggctcangg    120
aaagttaatc  agagggaaaa  tgtcactctg  tanagagtaa  aanatttang  atgatgatac    180
gatctgggaa  aaaanggcat  agtgaanacc  acttaaanac  aaactgaanc  ctatgaaggn    240
gcatgctatt  tccccagagc  tgaaaagata  agtgaaatng  tgtatgaact  cttaagtgga    300
ggtgaagcag  aatttattag  ccaccaacca  cataagtgat  tatgaagtaa  ctgagaaaca    360
ggtaacattt  tttcccacat  ggacaaaact  ttctctttct  agaatattaa  gtctctatga    420
tgagaaatga  agtagcatct  caagcagttt  ataaatctac  canaatatta  gaatcacctg    480
ggacctttga  acgtactcat  gcccaggtct  actntattca  tttattnttt  tgtnnagatg    540
gggacttcaa  ctcctggtct  caaatgatcc  tnccacctcg  gcctcctaaa  gtgtgaggat    600
tacaggcgtg  agccctgtgg  ccagccctac  taggtctgct  ttggaccaat  taaatcaatc    660
tctggggggtg  gaacctgggc  tttaagtatt  tttaaaaatt  ttcctaggtg  ggtctaatta    720
atactcggat  tgagaaccct  gctacacatg  gaatnttatt  cc                       762


        <210> 3636
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

1076

```
<222> (1)...(770)
<223> n = A,T,C or G

<400> 3636
tnacnaatta ntntgctctc gtnctttccg naanaannng gcgnntcgtt gagacggagt    60
ttcaccatgt tggccaggat ggtcttcaac ttctaacttc gtgatccacg ctgctgggat   120
tacaggtgtg agccaccgcg tgtggcctct gggcaccttt tgaagctgaa gcagagagag   180
aaggcggcag gcatcagcgt tttcttctat gaacttataa gatcaaagac tttaagactt   240
tcactatttc ttctaccgct atctactacg aacttcaaag aggaaccagg agtacggaag   300
gagcatgaaa gtggacaagg aacgtgacca ttgaagcacc acaggagggg gttcaggcct   360
ccggatgact gcaggcaggc ctgggtaaca tccagcctcc cacaagaagc tggtggagca   420
gagcgttccc tgactcctcc aaggaaagga gactcccttt cccggtctgc tcagtaacgg   480
gtgccttccc agacactggc gttaccgctt gaccaagggg ccctcaagcg gcccttatgc   540
gggcatgaca gaaggctccc ctcttgcctt ctattcactt ctcacaatgt cccttcagca   600
cctgacccta tacctgccgg ttattcctag gttatattat taatgcaaca gagtaatatt   660
aaaagctaat gattaataat gtttataata atgatggata attggttcat gatcatcgct   720
gtatctaatt tgnattatga ctatncttat tctattntct ttatatactn               770
```

```
<210> 3637
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 3637
tnacnaatta ntntgctctc gtnctttccg naanaannng gcgnntcgtt gagacggagt    60
ttcaccatgt tggccaggat ggtcttcaac ttctaacttc gtgatccacg ctgctgggat   120
tacaggtgtg agccaccgcg tgtggcctct gggcaccttt tgaagctgaa gcagagagag   180
aaggcggcag gcatcagcgt tttcttctat gaacttataa gatcaaagac tttaagactt   240
tcactatttc ttctaccgct atctactacg aacttcaaag aggaaccagg agtacggaag   300
gagcatgaaa gtggacaagg aacgtgacca ttgaagcacc acaggagggg gttcaggcct   360
ccggatgact gcaggcaggc ctgggtaaca tccagcctcc cacaagaagc tggtggagca   420
gagcgttccc tgactcctcc aaggaaagga gactcccttt cccggtctgc tcagtaacgg   480
gtgccttccc agacactggc gttaccgctt gaccaagggg ccctcaagcg gcccttatgc   540
gggcatgaca gaaggctccc ctcttgcctt ctattcactt ctcacaatgt cccttcagca   600
cctgacccta tacctgccgg ttattcctag gttatattat taatgcaaca gagtaatatt   660
aaaagctaat gattaataat gtttataata atgatggata attggttcat gatcatcgct   720
gtatctaatt tgnattatga ctatncttat tctattntct ttatatactn               770
```

```
<210> 3638
<211> 928
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(928)
<223> n = A,T,C or G

<400> 3638
ctaannatta attanntagc ctaaatngcn naacnntgnt tnngcttngg gcccaancat    60
ggnncctnnt aagtaagatn tntnnnnggg agctgganaa tcagnactgt cccagccgat   120
```

```
gggtngttcc nactgggagc anangaagcc ttgaggacct actcacanat angaattgaa      180
gattatcttn aaaacaatct tccactantt ctgacnatac ttggagcctg ntccacgtgc      240
atnccacctt gggaagcctc tncaaagagc tttcngagct nacactgaca gntncanttt      300
cccncanaac ccacnatagc ctngctgngt ctgtctnccc ggcangagtc catnctcact      360
gccgggacac tcatnacant ctccacgntc tncctcttcc cancctgnat ggagcctccn      420
nggctnnnga acgntnccca agtcaatnct cacnnatncc ngnagctgcc tntnagcact      480
nntcttggcc canctccctc cttgacanaa tcatnaccca ncatgacncn cactnngcca      540
tnccnntcna cantttttnn tcntcattnc atnttntctn cccatngnna cntcnnaacc      600
nnctagtana ccccancant ctcgnnatct ncncaaccng nncancnana cntttgntct      660
ttntncnntn tgatcntcca cctnntcttn tctnncnatn tncaataatc ntaattccta      720
nacatnctac tcttaaacnt ccnttnctta nnttcccaca catctgttna tacnatnccc      780
tnccancccca tgnntnnnat ctcanntccc cnngncctnn annatnttac tcagccctnt      840
cctttatnna nntcnntnca ccncgnnagt nnnnccatan cnnanatttn nncancacan      900
cnctctcntn ttttcaaacc tncncccg                                          928
```

```
        <210> 3639
        <211> 781
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(781)
        <223> n = A,T,C or G

        <400> 3639
gaacntatct ntgtgtagct cgnantnncc taaatanaat aggctgggng aattcggcac       60
gagagtgagt ggtcttacca aaaatccagt atccttgcca tccttgccaa atcccactaa      120
accaaacaac gttccttctg tgcccagtcc tagtattcaa aggaaccata ctgccagtgc      180
tgcaccattg ggaacaacac ttgctgtgca ggctgttcca acagcacact ctattgtaca      240
agccacaagg acttctttac ccacagtggg cccatcagga ctctatagtc catcaactaa      300
tcgaggtcct atacagatga aaattccaat ttctgcattt agtacttcgt ctgctgcaga      360
acagaacagc aataccaccc caagaattga aaaccagaca aacaaaacaa tagatgcttc      420
tgtcagtaag aaagcagctg atagcacatc acagtgtgga aaagccactg gcagtgattc      480
aagtggtgtc attgatctca caatggatga tgaagagagt ggagcttcac aagaccccaa      540
aaaactaaat cacactcctg tatcaaccat gagttcttct cagcctgtgt cacgaccatt      600
gcaacccata caaccagcac cgnctcttca accatctggg gtgccaacaa gtggaccatc      660
ntcagaccac catacactta ctacctacag cttcaactac ccgngaatgt aacacatcgt      720
ccagtaactc angtgaccca caagaatncc ctgtaccaag agctccttnn aaaccaccan      780
n                                                                       781
```

```
        <210> 3640
        <211> 924
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(924)
        <223> n = A,T,C or G

        <400> 3640
ctaacnaatt antgngnang ctcgtncttn ccgaacnana nnggcggggg cgaattcggc       60
acgagattta gtcactagct ataatacatt tagtgaacaa atgtagtctt gcactaaaat      120
tagagaatac ctatcctttt caagaataca taaaataatg accatatata taccacagag      180
taagctgcaa ccaattctag ataacttaaa tacagaccat gtttggaaat ttaagaaaaa      240
```

1078

```
aaaacacatt tataacttgt ggatcaaaaa agtcatagaa cttagacaat acttggaact    300
gaatgtaaat acaaatgcta ttaaaatttg tagtatgcag ttaaacagga cttgtatacg    360
catttatata tctaaatgca tgtattagta aagaaaaaca aatagaaaat taagtttcca    420
actgaaaaag ttagagaaca acagatccat cagaggaagt agacagaagt tataaagagt    480
tataaaggta accaggcatg gtggtgcaca ccctatagcc ctagctactc ngnangnnnn    540
gnnggtnncn aggnttgctt gnncncnnga atccacngt ccnnncgnc cnattgatcg    600
gcnnctgcnc aatngnnctn cttctancct caccctngg tcnaccatan ggnganncan    660
nncatactcn tcngcacanc ctatttcctc nananggtng gntcctccnn nnnatcttnc    720
ncnncntctc anctancttn ncatnttnnc tanntcnant cctccatatt ncnncntcnc    780
ccnactactc gntnacgnct cnnctttctn caanannngn gancctntna nnngncaaca    840
tncntcngtn ccncnncntn nnctnnntnn nccnncttct nnctctctnt ttcnnngcan    900
annccanntn ngnctcntcn ntct                                          924
```

        <210> 3641
        <211> 868
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(868)
        <223> n = A,T,C or G

        <400> 3641
```
ctaaaanaag gtnggggggaa ttcggcacga ggtcaggctc tgctggacac tgcatgtcca    60
aacgtcattt tacccatgtg ccagcgacaa ggtagattcg cttgtnccaa ttttgcacat   120
aaggaaacag ccttagagag gttaggttgc ttgtgcaagc ccagggtagg tggcacccag   180
tctgccagtc tgcaacgcac tggtatcttn cagccagtag accttgctcc ctgggtgccc   240
agttctggat ctcaggaaan gtggattaag gctcctagtg gcgggacctg ggtggggatt   300
tgctgccctc tggtggcaga agggacatca ccctgggtgt gagacttgtg ggcatctgtg   360
aggcggtctt ttcatccnan ggaagccgga cctcaaatct gacctcagcc ccaggaaggt   420
gccancanga nggtgccacc tangagggtg ccaccagggt tccgccnggg tctgctgggg   480
ccctgctcca tcttgnntga nncacataan cnctcaagct gtcacnagac ccagggnttn   540
actgtctggg ntttgannncc tgtgnnngcc ccctgagccn atttgncttt ntctcctctt   600
tggggcccct canntttccc nttttcantt tannanttct ncnnantnna ttaannctcc   660
cngggccaa actntatncn taggaaacnt ncactncctn annaatttaa atttatnntc   720
tacacttcaa ctctccatc tnnnaactgc ctnnacncna atntatttcn tnctnnnnct   780
ccnctntcta natcatcnnn tctatcntct tatatnntca ctnnnctnat nanaaaaact   840
anncngtgcg tctttcntta gaacncct                                       868
```

        <210> 3642
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 3642
```
tnnacaattn cncntgctac tcgttctttc cgcaatannn nntgctnttc gaattcggca    60
cgaggccagt ccctggacag ctncgacgcc atgaatatnt tgcccangaa gagctgncac   120
gtncggaaca nggacaatgt ngnccgcntg cggngtgacg aggcccaggc ccggnaggag   180
gagaaggagc gtgagcggag ggtgctgntg gctcancaag aggcccgtnc anaattccta   240
cngaagaaag ccanacatca gaactcactg cctgagcttg aagcagcaga ggcgggagcc   300
```

```
ccaggttntg gccctgtgga cctgtttcgg gagctgntgg aggaagggaa aggagtgatc      360
ataggcaata aagagtncga ggaagaaaag cgacaggatn aaaganaggc nngagaaagc      420
tctgggcatn ctgacatacc tgggccanag tgcatcngag gcacagactn aacccccttg      480
gtaccagctt cccccagggc gaggggnccc cccggccngt ccagccccag atganangat      540
caagancctc tggaccctct gcgggagatg cataagcatc tggngaagaa gagacagnac      600
ggcggtgatn aangcagtnn cagctnaaag gaaaaggacg ggtctnagaa gcattaccca      660
aggagccttc atacnttgac cagcttngaa cttgaaccgt ntgctgaggg aaatcagctg      720
tatangtctc nggcataagc ccctgctggc cccnggttcc aaagcccngg cacttacang      780
gagggnt                                                                787
```

```
        <210> 3643
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 3643
tnnacaattn cncntgctac tcgttctttc cgcaatannn nntgctnttc gaattcggca       60
cgaggccagt ccctggacag ctncgacgcc atgaatatnt tgcccangaa gagctgncac      120
gtncggaaca nggacaatgt ngnccgcntg cggngtgacg aggcccaggc ccggnaggag      180
gagaaggagc gtgagcggag ggtgctgntg gctcancaag aggcccgtnc anaattccta      240
cngaagaaag ccanacatca gaactcactg cctgagcttg aagcagcaga ggcgggagcc      300
ccaggttntg gccctgtgga cctgtttcgg gagctgntgg aggaagggaa aggagtgatc      360
ataggcaata aagagtncga ggaagaaaag cgacaggatn aaaganaggc nngagaaagc      420
tctgggcatn ctgacatacc tgggccanag tgcatcngag gcacagactn aacccccttg      480
gtaccagctt cccccagggc gaggggnccc cccggccngt ccagccccag atganangat      540
caagancctc tggaccctct gcgggagatg cataagcatc tggngaagaa gagacagnac      600
ggcggtgatn aangcagtnn cagctnaaag gaaaaggacg ggtctnagaa gcattaccca      660
aggagccttc atacnttgac cagcttngaa cttgaaccgt ntgctgaggg aaatcagctg      720
tatangtctc nggcataagc ccctgctggc cccnggttcc aaagcccngg cacttacang      780
gagggnt                                                                787
```

```
        <210> 3644
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3644
tnanctatng ntgtgtnggc tcgnnctttc cnnannaaaa gggctgtggc gaattcggca       60
cgaggagtgg atatgttcgt ggagacactg tggaaagtct ggaccgagct cttggatgtt      120
cttggacttg acgtctccaa cctgtcccag tatttcagcc cagcctcggt gtccagcagc      180
ccggcccgcg cgctcctgct ggtcggcgtc gtcctcctgg cctactggtt cttgtccctg      240
accctgggct tcactttcag cgtcctgcac gtggtgttcg ccgcttctt ctggatcgtg      300
cgggtcgtcc tgttttccat gtcctgcgtg tacatcctgc acaagtacga gggcgagccg      360
gagaacgcgg tgctgccgct gtgcttcgtg gtggccgtct acttcatgac cgggcccatg      420
ggcttctact ggcgaagcag tcccagcggc cccagcaacc ccagcaaccc cagcgtggag      480
gagaagctgg agcacctgga gaagcaggtc agactgctca acatccgtct caaccgggtg      540
```

```
ctcgagagcc tggaccgctc caaggacaaa gtgaaggtca accggccggg cgggtccaca      600
gttaccagca cgcttgtctt agaaaacgaa aacngaggaa aaaaacccca aaaccccaaa      660
caatcttaan taaacacgac tgagcaaana aaagttggcc ctgtgtaagg gctattttca      720
cccacccggn aagttttag dacncatttc cccagaagaa ccggaaaaga tcatttgacc      780
ctnggaacn                                                              789
```

        <210> 3645
        <211> 1098
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1098)
        <223> n = A,T,C or G

        <400> 3645
```
ttactttcc tncatccagg nctaantagc nctaacnngn ttnanntngg gnnttcgnta       60
cnantcanct ttcnnagtna ccataagagc aaggggaact cgtacnacgn nnacgtngcg      120
ctgcancang nggacactgg aaactcttac ctttgcnggt acttnaanat taaangcctt      180
actgangagt atctcacccc tntacaactc ttctttgaan ganaacntaa tcatcntana      240
acacnctncc ttaactcnna agtcgnatgc anatcaacat nntnatccna aacaccnngg      300
gcancnttc tngctccttt atcanccncc nnaatcattt aacntcacna tcnacattcg      360
ncnatcatnn cagcnagaca nantgnanac ctacatctnt anntanntgc antngnncan      420
tcnncttgnn tccctancn cacctntcca naagatatcn ttngnngcnt tntnncnncc      480
ccactatact nacatccncc ntnctcagca antttantnt cnaccctccc nctnanganc      540
nnncntancn anccttntcc caacnantnt aacaancntn accannccan gntctntnnc      600
tctntccctc acantacana aatntctcaa nanctcccccn acncnanctc anctnnntng      660
tacaatccac tcaatctcng ngcnncccac cnantcttta nctgggnaac ctttnctcac      720
atactancgc aanacaatnn tcgcgntnnt tctcnnanac acatctctcc ncanctnncn      780
tnatacnact atcatcntcn atnnncactt anngaccaaa nntacactng anacnactac      840
tcgccanttt cantanctnn tantatcgct ngtccactng catctctanc atnnntnnac      900
aaaancncnt ccncncctan aactntcact ntcatctanc tctananact ntctcnactn      960
acccntctta taccacaann ncccnanctn ntgcnctcct catantntnt ntatncnttc     1020
nntactactn natntananc tactactcca cctcnnacat ngcttntcat atncatatcc     1080
tcatccttct cnnctncn                                                   1098
```

        <210> 3646
        <211> 783
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 3646
```
ntaannngtg ngnggtcgnn ctanccnaac nanataggct ggggcgatga tgtaaagtct       60
gaaatataca gctttggaat cgtcctctgg gaaatcgcca ctggagatat cccgtttcaa      120
ggctgtaatt ctgagaagat ccgcaagctg gtggctgtga agcggcagca ggagccactg      180
ggtgaagact gcccttcaga gctgcgggag atcattgatg agtgccgggc ccatgatccc      240
tctgtgcggc cctctgtgga tgaaatctta aagaaactct ccaccttttc taagtagtgt      300
atcaaaatct aaaccaagga gtctctggac aagaagctgg gagaggcaca aactggacat      360
ctctctctct catatccttc ggcattgggt tatctatggg agcaaggagt gggcacgctt      420
ctctgttaca aatagaaaac gattccagtc atacaggaca catccactcc aaangatatt      480
```

```
tccaaaaaca tacctctgac agtnactttg atagatggtt tggcnaatgt atcttctggg      540
tatccacacc tcttggccat gaaatttgca gctcctccct tccataaatg aaagtctctt      600
tcccccacca tnttgaaatc tnggctggca ctgcgacttn gantcgnttc aatacnaatn      660
gtnggangaa ngtgactgtt tnncntttcc cancctnggt tttcaagagg ccttnttaaa      720
tgccnngttg gaaccttacc ccnccctgnc cntngtnnac tgaccatggc tggaaaantg      780
acc                                                                    783
```

```
        <210> 3647
        <211> 823
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(823)
        <223> n = A,T,C or G

        <400> 3647
ctaatnanng tgggacctcg nnatnnccna aananaatag gctggggcga attcggcacg       60
agagtgtgat ctgcagggag agaaccaatt acagtatgct tggagagggt gacatttatt      120
ctgctgaacc tcttctctgc ttcacataac gttggccact tcacctttcc tgagatgtct      180
ctgaggatgg gcatatttta aagacttgag cttacatcat cgcatcttga aagaaccgag      240
tataattgag ttgctgatac aagtgggtac ttgcaccagg tccgggtcac ccacatctct      300
atggaaacac atgtttgctt taaagcccag caatcagaag cagatcctta taggagccag      360
cattgggtca cttttagaaa aaggcatttta tttatattct caagccagca nagacctatg     420
aaatgaaata atttcaaat tcantagaaa aaccatgccg tacgtgaatg ctaataaaag       480
cctgccgtgc gtcctnnctc ccctgtgctn gcactgcctc agatccgcct gcatttatnt      540
ttanctgtcc tttgctcttn tgtgcccatt tgcattctgc ngctgtgacn aagtnggttt      600
ggccctttta tgcnnaaatn ggttaatcnt tcatttnatn anncattttg cccancnacc      660
taaaaantgg ggaaaaatnt caaaagcntg gggaactggc cnntcaaanc ngnnnnttnc      720
tggcggttcc tngctnttng ccctcngttc ccttgcaagc cnttntccca nccanccntn      780
cccccaangc cnncttngaa cncttnncnn gccnttanca anc                        823
```

```
        <210> 3648
        <211> 783
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 3648
nnctaacngn tnnttaaagg agntcgannt ngcctaacac aaataggctn gggggaattc       60
ggcacgagtg agtacttatg aaaaattgtg agaaattcat tgtgtgggat tttcaccatt      120
actacatgta tttggaaata aaaattgtat gactatgtat atgaaacttg ttcatgttct      180
aaaaaatacc ctccatttat aatatgtttt taaaatttgc cactgagaag tacaaatttc      240
cttcttattt catcttagtt atcaacccag agtcactgga ggcaatgcag tgtagtggtt      300
aagcgtgcag attctgaagt tagacaagat ttgggttgga atcctgactc tgccacttac      360
tagctgggta ttcttggaaa ggtcagtttc cccatccgta aaatggggat aggaatggta      420
ccttcctcat atgattgntc ttttttttaa gatttaatga ataccttgat gtattcgtca      480
cagtacttgg gcatagtaag tgttcgataa atacgtantc ccctgtgccc ataactgtaa      540
tattttacta gcactaaatt tgtctactaa ttcttttggt tagagaatct cccttgttaa      600
atgactattt tacagaatgt tttgaactcc aaatcaagcc taccacgatt aatnatatta      660
agaattttat tttaactttta taagggcttc taacagtang ttaacccaat tttaaaangt      720
```

```
gaaattcaan gtgttccta ttaaaacccc tattcctgaa tgtanataat ccattattnn    780
nct                                                                783
```

```
            <210> 3649
            <211> 827
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(827)
            <223> n = A,T,C or G

            <400> 3649
ctaatnnnng gtantctgng ttctttccgn annanaacnn nctnnggcga attcggcacg     60
aggcttcctg ctctttgtat tttggctaaa ggcggtgaag tgagaggcgg aggggatt     120
aaaaccagca gaaaaaggct tcttgttggg ctgatggtgt ttgtgcgaga agctgangtg    180
ggcagggagg agagcctang agagcggtag ggctcatggg caggccgttg gtgtacgcct    240
tggccctgcc tgtccccagt cccaccactg tggactccag gccatcctca gtccaggtgg    300
tcactgtggc ctgggccaca tgctggcgat gacggggatg gccttccaca tgcctgttct    360
ctggaagagg ggctcgcgtt gtgcccaact ggggacgtcc tgcccccaac ccccaaaac     420
gctgctttct tctgccctna agaggcccct cagaagagag gaggctngnn tgaggggcnt    480
tgagataaac cccgaaaggc cggnttcctg gcttcgtgtt ttaaaactca gtgctgcttg    540
cnaagtgctt tgnctattgc attnataatg accaacacg nttggttgac cacnttgatg    600
gnccganggg gtgccangca cttgttccca agggccncac ttcgtgttgg ttntttggtc    660
cgnttaattc ctncttgaca aacctattta caccggtttc ntcnttcnnc tntcnagcna    720
anccccaatt ntgcaacccc ggnggaaaac tnaangnccn caccggattc accaaaaatg    780
ccnacnaacc ttgntatttc caancccntn ancctctcct gnncccc                 827
```

```
            <210> 3650
            <211> 776
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(776)
            <223> n = A,T,C or G

            <400> 3650
ntacnnatan tntcgnngnn actcgnnctn tccnaacnca ncnnggctgn ggcgaattcg     60
gcacgaggtg gcccaagggg cccacaataa ataacacagt cactcctatt ggtacagcaa    120
tgccaagatt tagaagttat ttcataggag ctgggacaaa ggtcaaacct ctctttgggc    180
aagaccgtat tctttattgc atagctttga aaagagattt tgtattaccc aaacatttat    240
tttaaaaagg caccccata tatccatcac tcgaactgta catttctaaa tgtacattga     300
cctttggtat attagtctag caatccagat tttgcctctt gttaagcgta tcagggtcct    360
ggcaggaagt agacgacaca ctgaaggata actgtcaaaa gtttaatgaa gagactattt    420
acaaaggtgt gggcaaagtt aaggggaaca acaagtaaga gatggtgtag catcttagac    480
ctagcaacag cagaaaataa ttgccactcc taactctgaa gagataagga gagggaatac    540
ttagcagaac acagcaagat tgattagtaa agcacagagc tcctgacgag gagatgtgac    600
cttcaggaga ggaatactac ccccaagcta tggcccagca gggaaagagc ataggtaata    660
cattctctga ctcccacttt ctgatttcct ctagtagctc cctttggcca aattcaactg    720
attattagag agtaggaatt ccagttgctg cagtccatag aggttagtct cccnat        776
```

```
            <210> 3651
            <211> 776
```

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(776)
        <223> n = A,T,C or G

        <400> 3651
gtactaatat ntnaagntnc tcgtnctttc cnnacncanc nnggcggngg cgaattcggc      60
acgagatgtt ttgggaaata gcttgtgaga ggtaagaagg attgcaaagt ttttccaaaa     120
tattttatga agttagtgaa gtcagttgaa atgtgtattt aaacatttga agggatacag     180
ttaacatttt tttaatgaga ggaaaccatt gtctgtagtt cagaaataag atggagtgtt     240
ttacttattt aaggggtaat ttaaaaagta aacaaaagca ttggcctaca agagaaaggt     300
gatgttggat tataagtgct ttttctaatc gttaatatta atcaacaggt gagtatattt     360
tccgtttcca agcagttatt aatttacatt ttctcaaatt ataagtagct tcctgcttct     420
ccaaaagtga ggcttaagag gatggctatt tcatcataaa ttagaaaaac gactacaaat     480
atgaaatggt taattttttg gtactaagat aatgagacca tccagaattt tatgatcaaa     540
acatggcttt tacccaggga gtatctgtag ttgagccact ggctctataa cattgttagt     600
tctttgtatt ttcccaatgg aggttttacc tcatggccat aaaaataaaa gagggttgaa     660
tgtgaaaata actgcatttt gaacatctca nacccttcac tcataaaaat tacttaatgt     720
tcctcttcct tgaattacat atttttccat tgtaataaaa ttcctgtttt gaaann        776

        <210> 3652
        <211> 846
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(846)
        <223> n = A,T,C or G

        <400> 3652
naactaatna ccangaccnc nanntngcct aaanaaaagg ctnggggat tcggcacgag       60
ggggcttatt tcatccctac agtctcgacc atagaagaca gctacaccca aggggccat      120
tttagaggcc caccctcagg ggcacattct ctttctcagg gatgttcctt gctgagaaaa     180
agaattcggc gatatttctc ccatttgctt ttgaaagaag agaaatatgg ctctgttccg     240
cctggctcac cggcggtcag agtttaaggt tatctctctt attccctgaa cattgctgtt     300
atcctgttct ttttttcaagg tgcctagatt tcatattgtt taaacacaca tgctctacaa     360
tttctgcact taacacaatt atcacagggt cctgaggcga catacgtcct cctcggctta     420
cgagatgaca ggattaanag attaaaacag gcatangaaa tcacaagggt attgattggg     480
gaagtgataa gtgtccatga aatcttcaca atttatgntt agagattgca ntaaagacag     540
gcntaagaaa ttataaaagt attaaatttg gggaactaat aaaatgtccn tgaaatctta     600
aaaaanacta ntcacactcc nccncaact nannccccac nctccnntnc cntcncnccn     660
accctnnnac tcnctcctct ccncntnnac cccttccccc nnntcntccc tncttctcnt     720
cnnctncnct ctcctncnct catnccctc actccttctn nnccttcat ntcntcancn     780
anntcnncct cnntnttcnt ncnctctacc ntnnccatnn cnatnnctcn ntntnccttc     840
tctcct                                                                846

        <210> 3653
        <211> 782
        <212> DNA
        <213> Homo sapiens

        <220>
```

```
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 3653
acctattant ntgatgtcga nntnncctaa ananataggc tggggcgaat tcggcacgag      60
gcgggaccct gcctctacta aaaaattaaa aatagctatg catggtagca catgcctata     120
gtcctagcta ctgaggaggc tgaggtggga ggatcacttg agctcaagaa ttcaaggctg     180
cagtgagcta tgatggcact actgcacttt agcctgggtg acagagtgag accctatctc     240
acaataaagt aaaataagaa ttaacacact cataataact atttagttaa taggaaactc     300
tgtttaagcg atattgctta tatttctctc tcatgctttt gtaggtctgg actcatcctc     360
tcaattatcc acagagtata ttgttagtgt tttgtttaag ctacctttta cactcaatta     420
aaactattta ctggaagtag gctaaggtna tggggtgaga atagagatgg tattatatca     480
tgaaatctac ggaagagttt gtagtcntag ttcccctgcc cccacagagc ttattactct     540
tgaagaagct ttgacnaatt ctacatgact tattcccct actttaacaa gacctgctat      600
actaaaacta taccncagtt tttccaagag aatantgctt ctaaattata ttanctctgg     660
ntcccatata nnctnnanca ttnctccctt tctcttattc naaagttagn ttntnattan     720
gactcttntg ancatatnnn nttannntnc gnncncccgn atantcnggt tccctntggg     780
ct                                                                   782
```

```
<210> 3654
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 3654
gtacctatcg tntcgtgcat gtcgnantng cctaactana attggttngg gcggaagagc      60
tgaagagtag gaggtggcag gactaactaa aagtgggaca gtcacttgtt atagtgaagg     120
tagaatggac agaattgggc aactaattaa gagggagaac cctctaggag aacaggagaa     180
cgcatccaaa cctggaaaac caggaagaga agatccttgg tgagaagcag tcaatgagtt     240
tgctttggga tatgttgagt tcccaaactc atcatgaggt gaggcttcca ggtagcaaat     300
gaatcacttg agaccaggag ttgaggagca gcctggacaa catagcaaga ccccatctct     360
acaaaaaaaa aagatttaa attagccagg tgtggtggta tgtgcctgta gcccaagcta     420
cttaggaggc tgaggcagga agatcacttg aacccagaaa tttgaggctg caggtgagct     480
atgatcacac catagcactc cagcctggat aacagggtaa aaccctgtct cttaaaacan     540
acaaacaaac aaaaaaccac caaaatcctt atgtatctgg tactatagtt gtctttctca     600
ttttacattt gacactgaga gacagagagg ttgangagtt tgggcangac acacagctna     660
tacatggtag agtcaagcct tgagttcang tctnctggcc ccttatttcc accccgaact     720
ttcaccatta tcatattgtc nggnangctt ggagactctt gaatcccttt aactcacccc     780
t                                                                    781
```

```
<210> 3655
<211> 1017
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1017)
<223> n = A,T,C or G
```

<400> 3655

```
gaactaatnc ctcncnnngt ctaantngcc naacnngntn gngttngggg nattgngtaa    60
tanantggca gntaccaaag atggntgtct nnagttncta aatgacatgt tgatcggngt   120
catgatatct gcaaatantc ttgtctttct tnacctnaga acaaatgtna agcattgatn   180
ggagcanaca caacagttac gaantntnct gcntggcaac tgactnaaag cnaatntact   240
antcctctta aacttccaaa anagtatnca ntactacngg atggntctct atncacangc   300
ncttngtctg tnacntcnan natntcacnt atctaanaan ananntcnna atgataatc    360
tcaacnaccn ccaanannaa gttnncgnac cgtgnnagtn gtncancnta anttgancgn   420
cacttgcctt tnctntcccc aggcanacga atattnctcc ctttttaagc ccntccangg   480
cncaacggct cctncnntcc ncanatcgca aagnttaann annncntcct nccctcttca   540
attantcact accttcaaac tcnctcancn cattnccgnc cctccntctc ngcntcacct   600
cgtcacccnn tcttcctnca agtncnccct nntaanccnn acnntttccc nnnaacccct   660
ccncgnttcc tnnactcact gnnctccatt ntctcccnct nccctncaa annnatnctc    720
cctcnntant tcccanctct nactccagcc gctancacac ntctcgctca catctaatcc   780
nacgncattc actnctctcc ganatnancn atcgcgtnta tangngaacc taannnctat   840
ctcacnctnn antctcncta atnccancnn taanctnttt gctncagcac anacacntct   900
ctctacactc ncnatacnac ttntanccat ttncntanta ctccatctac anactctctc   960
atnncaccac ncatctctna tacaacncct ctntctctct ctngctanca cancact     1017
```

<210> 3656
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(908)
<223> n = A,T,C or G

<400> 3656

```
ntaangnntg tactcgngnt anctngccta aatananann gttnggggng ctgggtgtng    60
gtggattaca cgcgtgagcc attgcaccca gccttaaggg accaggactt tatctttnta   120
ccctgctgta ccatctttag ctttttatct ttttattctc atgcttttgt tncttcatga   180
tgttaggatg gctgccataa ctccagggna tacaccaatc ctctaaacaa gaaacaaggg   240
gntgagacaa aacactctga gaaggttntc ngggaacaaa agacctccaa gctgactctg   300
cttnataact cattggctna aactgagcta tatgcccata cttanagcaa tcactgacaa   360
aggggaatag caccaaaaca cctctggctt atcntagatc aacctcgatt nattnntctg   420
ggtttngggt tggggccttc ttnacctgng aagcaaagaa cctcttgcca gcttgtccac   480
ggctactcan gttcnntnta cccaacaann ggctatnggg ttagtgacta acttnccaca   540
gcncngcana tacatttcgt atagtaacnt ntttccaaga ncttcntaan ttcacccntn   600
gaactatccn gcancanatn annnctnttn ctanttnnat cannntggtn tcaaactcan   660
anggnttttc anccaannt nnntntntct nacatnnccc nnccctncaa ntccccnncc    720
gtcntcactc ntcntccacc cctnnacccc ttntcaanac ctctacntnt tcangctncn   780
cttnccnnnt nntccctcat nanctcactc ntcactntnc tctccnnccc nncantaccn   840
tctctnnncn gtcctcctct ctnnntccct ctctctcanc atatcttcct tncncatctg   900
tnnccncc                                                           908
```

<210> 3657
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

1086

<400> 3657

```
aatcncngta cngngcgnan tngcctaaan anaaggttgg ggggccctct gcttcctggc    60
tgaccttggt gtggccctct gatggcacta tgtgtcctct tctctgagct ttctgaggat   120
gacaagccgt cttttcaatg ggactccctt ccagacctgt tggtctcacc atactggaat   180
catcataaag cctgtattgt aaaacatcat tggtgnctaa agtttgcaca atgctatggc   240
ccccacatta agggagtctg ggtgagatca ctncattgcc cctacttctc tgaccanaaa   300
acacaagagt tcatgggaga caataataac aacaacaaaa acaatacaag aacacantng   360
tacctcntta ttggcacant aactttttcaa angctggcat gaatnaaaag nncccaagtc   420
ncaagacnag gtgnnctgga nccactgctc agnactttcc gacagccnac gaaagcacat   480
cnaatgaaca angccttgca ttantgggac gnttnnngat atacanccca nggaatcatg   540
cncctgttag tccanggggga cnagccctnt nccatgcncc cnctantgct caaaccnntc   600
atnggcanct tgctncattt cgtacnnnng tnggcccctt naatgaaata tcgaancaat   660
ttnttaaacc cncccnggcc ttattgnnac tttctnaaan ncccatcncc cttgncttca   720
tannncntnn ctcgcccttg nntgcaattc tccccctngcn ggacntctaa tgcnntcaaa   780
actcnancgc nnnnggtcnc aacactttt anccntanna caggggntta gncccaanat   840
ttccnacc                                                           848
```

<210> 3658
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 3658

```
caatgcncna accaattant aagntactcg nnctttccgn acncancnag tgcggnggcg    60
aattcggcac gaggctgagt attttttttca agtgtatcat ttgcctgtta acttaaaatt   120
ctattttccc cctaattcta tgtcccagtt ttggttagtg tgctctggga tttttgaccc   180
attccatagt aatagttatt actactacca ctacagtaaa ttcttacaag aactttccat   240
gttttttggg aggaggagga ggagtagtta cattcaggat catatacata attgtttagc   300
ttcagttctg tatttatata tgtcacttgt aactgactgg gatacgttct gagaaataca   360
ttctcaggta atttttgtca ttgtgccaat atcatagagt gtacttataa aaacccaggc   420
tatatattat aacctattct gggcttcaaa cctgtacagc atgttacttt actgaatact   480
gttggcagtt gtaacacaat gataagtatt tgtgtatcta aacataccaa aatatagaaa   540
aggtacagta aaaataagtt taaaaaaaag gtacaccaaa ataatcttat gggaccactg   600
tgtatgtggt ttgatgtcat tatgcagtgc atgactgtac tataaatgct tatggccagc   660
ccttttttttt tttgaggcag agtcttgatg tctcgcccat gctgggagtn cnnnnnnnnn   720
nnnnnncnnn nnnnnnnnnn ncnntnnnnn nnnnnnncnn ncncnnnnnn nnncc          775
```

<210> 3659
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 3659

```
aantnctnna acttatnntn tntngacctc ganctnncct aannagnnng gntngggcga    60
attcggcacg agataaaggc ctagtttttg tatcccaata gatttttacc aagcttcccc   120
tgaagaaagt ttagaatgag catgatggga aaagggagaa attgtatgct gcagatagag   180
```

```
ggaggaaagg ccaactaggt ccaacaagta aaaagaggac tagtctcaaa ctattaaata    240
tatgatttac ctagcaaaag ctttaagtca cagctgaatt acactgggga aacaattaca    300
gactttacaa tggaaagaag catcttcaat gttggctgca atcactgaca gcaggaatac    360
tcactttttga aaaaaaaaat tggctattgt tttctgtttt ccacatctta gtttaatatt    420
atgttcctca aacactatga agttgagaac tgaattgatt acctgggaaa ttctggtgaa    480
actgaggtgt ttgtttcatt aattatccat gtcatttatc ttcttaactt aatcaaccta    540
aatttagcct gaatattatt tgttagggac tgaagacttc tagagagcag agagcacctt    600
tttttaatta aacaaattcc tttgataata ttttaatgtg actcaagaat ccagcactat    660
ctatatatgg acccctctgc atccatgaaa agaagtcctc atccaattct gtgaatatga    720
gactaaaata caattccaat tatgaggnat tttnttttaa gtcctaatgc aggaagaa      778
```

```
        <210> 3660
        <211> 792
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(792)
        <223> n = A,T,C or G

        <400> 3660
ctaacttatn tntctaganc tcganntngc ctaaananct aggncngggc gaattcggca     60
cgagcactac atgaagtccg gggtttggtt aaaatatctg tcttatttat gaaaggctga    120
aaagagaaaa gagctattca ctacccgaga ctataagttt tagctgataa aaacacagcc    180
tcatcaatag ctattgaatg aagccacttg ctgagtcagt aactgaatgt ctatgtatga    240
tatttccagt atcatgatta aaatggagcc ccgaaatgtc attataaggc ctagttgtgg    300
actgggggcc cagatggcca agtgggagca actctgaaac cattaaatag gaggagagag    360
agaaattaaa aaccttttct attcaaaaga aacctataac ccaaattcta aaatttatag    420
agacatataa tattaatata acaaaatcag ccaccaaaac attcatttct ctggatgaaa    480
ttaattttat ggagcagttc aacaaagact ttattttaaa aaataaatta tgtatttatt    540
tttgactagt aatagatgca tgtagtacaa aattcaaagg tacaaaaagg gtaaacagtg    600
aaaagtaagt ctatctccac ctctttcacc tagccaccca gtttccctnc ccaaaggcaa    660
ccactgttac ccatttcttg ctatcccttc ctaaggataa attggttgca ttattccaaa    720
cattatntan tatatacacc acaccacacn actcaccaca tatggtacca tttttttatt    780
attcaaatgg nn                                                         792
```

```
        <210> 3661
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 3661
ctaatnctgn acnaatnggn tnngctactc gtnctttccg naanancnag gcggtgcgaa     60
ttcggcacga ggtgggctct cccttaaaga cacatggcca cagacacctc cttcgcatat    120
gtaatatgcc ttcccctgcg gccttccgtg gtcacagcaa cagggactgc tcacccccctc    180
cagctggggc ttttctaaca agcacagtca gaaatgcgca ggcctggggt tggggatgaa    240
cagaagttga ttagtgggca cagaaataca gttagataga aggaatagtt ccagcattcg    300
atattacagt agggagactg catttaacaa taattgattg tatatttgaa aacagctaga    360
agaataagaa tattcccaac acaagaaaaa gataagcgag gtgaaggaaa tcccagttac    420
cctcattcag tccattacac attcgataca ggtatcaaaa tatcataggc acctcaaaga    480
```

```
catgtacaac tcttaattta acatttttga aagaaaaaaa aaccggccag agcattaaaa    540
caaataaaat aagaaacaca gaggccagtg ttaggtgaag aactccgctg cttcagaaag    600
agaatagcag cgctcgctta ccgtgggaac acggccagtt aacaaaatgg gttttggttt    660
tttgntttgt tttgtttttac cattggtaat aagatagtta acataagtgg tcagaacttc    720
gcttgaattt gtataaagca tttgttaagc gtgtaaaagt ccaaattaaa agtcttgaa     779
```

```
        <210> 3662
        <211> 805
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(805)
        <223> n = A,T,C or G

        <400> 3662
aatnctnaac ttattatctg acgtcnannt ngcctaaana gaatnggttn ggggaattcg     60
gcagctccct caaagaaagg agaactagga aaatgttttc gccatctccc aaagatgata    120
ggaaagttct gagcagggtt ctgggtatag ccccttgtga gaaattcaag gcccaatcaa    180
tgccatagat gagttatata ttccaaattt acactactta tgtaggtgta gtaacctcca    240
aatcaataaa ttaatataaa attggcccag gactggtgaa acctagagtc ctgtcagaag    300
caaatacaaa gcagcccttt aacaacagtt ttaaatttag ggccttcaag acccccagct    360
gaaaagaaag tctctactga aagtgagctc acaatttaac aggagagana nagaaagata    420
cactgtgaag gatantcaaa agacattgca nanaggagga ctggtactgt cccccacccc    480
cactaagagc ttaagatana acagcctgna tgagactatg aaatatnttt aanntgatga    540
aagaaaaatg tcacctntcc ttctttccca gtcaagacan gnngnatccc ntttgnntaa    600
ncctanaaan tacctgtgtn agatactnnn nttgatcgtg agacgccnat agtcaaacct    660
cttggangna aaactanaca ttcttcnatn ctttnaattt cccccccccn tcnggcccct    720
gtcttcccan attcacctaa cttcccttg gttgcccccc acttaattcn acngcccntt    780
nttttttcac tccaaacngg gncct                                          805
```

```
        <210> 3663
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(773)
        <223> n = A,T,C or G

        <400> 3663
tnnctaacca atnantcnag gcanctcgnn ctntccnaaa taaanaggnt ntggcgaatt     60
cggcacgaga aatgctgaat attggtaaca agcaacaggg gaaacaaggc agtctgagca    120
cacagaactc aagtcctcct aatgggatcc cagaatgccc atggaggaag cagcatgtgc    180
actgtgctga gtgctgagca ggatttcaag agagcaaagg cagagatgct ggacagggca    240
gcacaggagg acgagtgtgc atggtcactc tgagcagggc tggttcctgg gctggttgga    300
gcacagcatg gggaactgaa aggcagacac tggccaagaa agtccttgtg cagggcttca    360
gaagtgagcc tcacaagcca tcctaggcca cactgccatc aagccccaga cctctacatg    420
cccatttggt ttctttccag ctcatatagc ttcctaagta ttgtggctaa cagttccctg    480
acttgaattc ctagtttctg ttaacagttt tctaactttc aggaaaaaca agccaatttc    540
taaggaaagt ggctgtgctt cagtcaggag tagtccgagg tagacatcca ggacagtatg    600
acgcaaaggg tttggagcgc aacaacccct tgcgttatat agccatttaa tgtaacctgt    660
ttgtgtgagt tcatacctgg ctttgagcca ctattgtctg tgagtaatat aactgcactg    720
ctgactctgt aggagagaga ataaagccat gtccaacttg cctacagtcc tcn            773
```

```
<210> 3664
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G

<400> 3664
taatgctngg ctctcgttct ttntgcagga tccctcgatt cgaattcggc acgagtatag   60
atccagattc tattcaaagt gccttattag catcaggtct tggatcaaaa cgacctagtt  120
nttcatctac accagttntc ttcacctgct cctaacangt acaccagcta ncagtcncac  180
cnacngtaac agtggccttn tnacnggtaa ngatgctgtg tgaaagggct cagcaagatg  240
acgaaagacc tgctngataa gctcnagnaa ttngcngaan acctgccncc tnataccntn  300
natganctta nngannaacn nggnggnnct nctaacgtgg ntgagatgac tggccgctgg  360
gacggtgttg nnanctgcga tgatggacgc atgtancctn atncangntn tgnactnnan  420
gngcctgtgg aanntcncga ngttacncgt gctcagggat attatngatg gcgnttacnn  480
tantgctggn atccatcatg ctggngaanc nggtatnaca ttacatctgn tnngagagct  540
tgccatnata ggcgangntt tcatatgact ttgggaantg nccttgatcc gctacntaga  600
ncngctntaa cagttgggga ccctnnntga natcancnca ggttcctgtg gnggagattn  660
cctacntgaa natgggcnct gncggagcta acggaanatc ngngtancnt tgctgctang  720
ccacttnana ggattgtggg cactttcaca tggngnntna acgcttggca aacttcn     777

<210> 3665
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(815)
<223> n = A,T,C or G

<400> 3665
gtacttattt ntaatgntgg tcganttggc ctaaananaa taggttnggg ggaattcggc   60
acgagggttg ccagcatata actgctttgg agcaaatctc ttctgtttag agagatagaa  120
gttatgacat atgtaataca catctgtgta cacagaaacc ggcacctgcc agacagagct  180
ggttctaaga tttaatacag tgcttttttt cctctttgaa atattttact ttaataccag  240
tgcctttttct tgttgaactt cttggaaaag ccaccaattc tagatcttga tttgaattaa  300
tacacacaat atctgagaca cttacacttt tcaaaagatt tgtgtatgca ttgcctaatt  360
agagtagggg gagaagggca actattatta tccctatttt acaaaactga ggcttantga  420
ggttcagcca catgcctaga cttatatact agttagtggt gcagccaggg agaggactca  480
gatttcctgg aggcaaagtc tatctctgaa actccatgaa gacttttgca gccagttccc  540
accaatatgc ccccagacgt gagacaaaca aggacttttt ttttatatag agccatccat  600
naaaatccta agcccctttt attaatgtat aaccaggaag aaacattttg tgccaaccgg  660
tttggacttt tntatggcnt gagaattcgg gnaaggaagt gttgacccc aagccangga  720
gaaggaaaga antggantt ncntttgtcc tttaagggtt ttntaangnn cattggtttt  780
taaatcncgn natcnnngcc caaaanttnn nttct                             815

<210> 3666
<211> 774
<212> DNA
<213> Homo sapiens
```

1090

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 3666

```
ttcaaatccn agctcttgtt cttttgcgga tccctcgatt cggaaggcta caagtgacaa      60
ggaaaattct gttccgaata tggccacaga aacaaaggat gaacaaatat ctgggacagt     120
gtcttctcag aaacaaccag ccttgaaggc tacaagtgac aagaaagatt ctgtttcgaa     180
tatacccaca gaaataaagg atggacaaca atctggaaca gtgtcttctc agaaacaact     240
ggcctggaag gctacaagtg tcaagaaaga ttctgtttcg aatatagcca cagagataaa     300
ggatggacaa atacgtggga cagtgtcttc tcagagacaa ccagccttga aggctacagg     360
tgatgagaaa gattctgttt cgaatatagc cagagaaata aaggatggag aaaaatctgg     420
gacagtgtct cctcagaaac aatcggccca gaaggttata tttaaaaaga aagtttctct     480
tttgaatatt gccacaagaa taacgggcgg ttggaaatct ggaacagagt atcctgagaa     540
tctgcccacc ttgaaggcta caattgaaaa taaaaattct gttctgaata cagccaccaa     600
aatgaaagat gtacaaacat tcacaccagc agaacaagac ttagaaatgg catcagangg     660
agagcaaaag angcttgaag aatatgaaaa taccagccac aggtgaaaaa ccaaattcat     720
tctagggatg accttgatga cataattcag tcatttcaac agtcttcaga ngat          774
```

<210> 3667
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

<400> 3667

```
ttnctaatnc nagctcttgt tcttttttgcg gatccctcga ttcgaattcg gcacgaggnt      60
gnanaaagna tcngctggcn anntctatca tgnatcagct aaggatttgc caacngaatn     120
ntnctcnatc cttcantcat gacacntcac atgtcaagng nagaaggtac ancgtgnaaa     180
tgctatancc ggcnnaatnt aggagttctt ctctggctcg gttgctaaag cagtgatctg     240
ngtnancccc agggccatca ctgtgcatgt ncccatgccc tnaacngnat tcgagcacat     300
actgattnac tanaaggagg ngnangncca gcagnaacan cnnacgatga cattggccnn     360
ganctaccnc ntgnncgatg ggaaaatggt gaanntncnn cgcatccnga atgcgcnagt     420
tnntgtaact cantaccaan tgctcagcag cactctcttc tctngctcgt ggagcttcag     480
cccatnantg gaatanaaca tcngctnaga ntncactngn cttttggatt gnattgtnca     540
atccttggtg atcacaatnn ctcagactgg aataggctgc cccccaaaac tgtctgtggc     600
accctgaaaa agctggggct aaacagncaa ggccgntcat ccccttgnct gaccncgnat     660
tgtctgctgc tgggttcgga cgaggactac tnngntgaan tnctccttgt tggcatgatg     720
acnctngtta aga                                                      733
```

<210> 3668
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 3668

1091

```
ttctaatnct ggctctcgtt cttttgcgga tccctcgatt cgaatgcggc ncgaggtgaa    60
ccttccccag tcctatcaga gcanactttc tggggttgca tcccntcaga aaccnatttg   120
gggcccaatc tcaatgcaca tatcantgcg canagcncta aaatttcagg caacactttg   180
nttgagagan gccaaaattt tggncaggcc ctgggacatc taaagtcacc aatgtaacta   240
caccatacag attaaaccct cacatgatca tgtaagctat gcagttaccc aagctgcatc   300
atttanaaaa cctgtcagnt nttatggaaa ccatccctag tcaaggacac tttaaatatn   360
tagtctaaat accgttaang taggcccact agctgtgttc acattatccc ttggccacct   420
taccagggac tnnaataact tgggaaagtg aaaacaacaa gctnacccac atgttcacca   480
tnnaaancan ttangtcttg aaaaacatgg actcttttn ccgtgtggga ccagttccta   540
cttatgtgtt accagccaat tggactggaa cctatacagn tgggnnatnt agcccccgaa   600
attaatatag ctcccaacaa ccaatccttc attatacttt naactgnnaa ccaccanaca   660
caaatgancc atccaactga taccactttc ngtngaagct anggaatacn cctngaagtc   720
tgantgagag tttcagncct tgcngctnnc ctatcctatt accannggtt gnct          774
```

```
        <210> 3669
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 3669
ttnctaaatn cnagctactc gttcttttgc aggatccctc gattcgaatt cggcacgaga    60
tatgcacatt gtnccaatgg cagacttttg gctttgatat tgttctataa ttatgtaaga   120
tgttaccatt atgggaaact ggaggaaggg catatgggac ttctttgtac tgctttttct   180
attccctgtg agtttataat tattttataa taaagttca aaaacactta ttggatggac   240
atcacagaac ataatagaag aaagaatcag tgaattatag gtctgtttaa tagaaatgac   300
tcaaactgac acacaaagca aaagaatga agaaacaga acacagtgtc tgagactttg   360
tggaataata ttatataaaa ttatctaaca gtcacatgat ttgaccctca gaaggagatg   420
aaagaatgag atagaaggaa tatttgaagg aataattgtt gaaaatgttt ccaaattgat   480
gataatgtca gctcacattc ccaagaatca cattgaaccc tgaccaagat aaaccaaaga   540
ggactacatc taggctcatc atagtcaaac tgcttaaaat caaaactaaa gagaaaaatc   600
ctaaaagcaa ttagagaaat cctatatagt ccatgttggg aaacagttac atcaatgtgt   660
gctgacttct catttgaaac catagatgcc attagacagt ggaacaatat ttttaaagtg   720
ttcaaaggaa aaaaattgct atnccagaat tctggatttg cccaaaaatc tcttcaaat    779
```

```
        <210> 3670
        <211> 814
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(814)
        <223> n = A,T,C or G

        <400> 3670
ttncnaaata cctngctctn ggttcttttt gcaggatccc ttcgattcga attcggcacg    60
aggcggatca acctggcgga ggacgtgctg cctgggagc acgagcgctt cgncatccgc   120
cgactgcccg ccttcacgct gtcccacctg gagagccacc gtgacggcca gcgcagcagc   180
atcatggacg tgcggtcccg ggtggattct aagaccctga cccgtaacac gaggatcatt   240
gcagaggccc tgactcgagt catctacaac ctgacagaga agggacacc cccagacatg   300
ccggtgttca cagagcagat gatccagcag gagcagctgg actcggtgat ggactggctc   360
```

```
accaaccagc cgcgggccgc gcagctggtg dacaaggaca gcaccttcct cagcacgctg    420
gagcaccacc tgagccgcta cctgaaggac gtgaagcagc accacgtcaa ggctgacaag    480
cgggacccag agtttgtctt ctatgaccag ctgaagcaag tgatgaatgc gtacagagtc    540
aagccggccg tctttgacct gctcctggct gttggcattg ctgcctacct cggcatggcc    600
tacgtggctt gtccagcact ttcaacctcc tctacaagac cgtccagagg ctgctcgtga    660
aaggccaaag acacaagtga ccacaagcca acccccaaca agcccggnag ccccccggcc    720
ggtttcaaca agtcccdttg ggggcccgan gcaccgaatt gaaattggga caacttggcc    780
ccgnccgcgg ggcnggnccc ttgcaanggg acca                                814
```

        <210> 3671
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 3671

```
ttccnaataa ccagctactt ggtgcttttt gcaggatcct ttgaatnccc tttncngcac     60
ccagagtcat tgagagtctg tnccaaaagc tacatgaagg ccatgggaaa aacccgggtg    120
ccatttttc tagtgggggaa caaggcagat ctctctccag agagagaggt acaggcagtt    180
gaaggaaaga agctggcaga gtcctggggt gcgacattta tggagtcatc tgctcgagag    240
aatcagctga ctcaaggcat cttcaccaaa gtcatccagg agattgcccg tgtggagaat    300
tcctatgggc aagagcgtcg ctgccatctc atgtgagccc ttgggtgtgg ggtaactgcc    360
ttgcttctgc ccccggcact tgccatgttc cagtggggggg cagatcctca ggacttcacg    420
ggtatggttg ccagctgtgt tcctggcccc tggacacaca gtgtggcatc ctcatgtttg    480
cacactttcc ccaggctcca gtggcctgga tgtcaatgtt tacaaagggg caaggacctc    540
tcatggacac tggcctctac cctctgtttt tgtttgatga attctgttat aacctatggg    600
gtcaggatat gagtcctggg cattatttat ccaggaccca tcctcttggg tgggttttgg    660
gtgttggctg ggtaaagggg agccggggac ttctgaaata anctggcttc ctggggtgac    720
aatgnatata tgcaaataaa ttgagaaatc ttttaaaaaa aaaaaaaaaa aaaaa          775
```

        <210> 3672
        <211> 769
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(769)
        <223> n = A,T,C or G

        <400> 3672

```
ttccnaatgc tggctctcgn ncttttgcag gaccctcgat tcgggaaaat tccagtttat     60
acctgtggtn cctgtgtaat tatnggtagc actcccttc actcttacaa ngtctnggtt    120
tggatgatat atggtgaagt ttttgttgaa actaaattat gaagtctgat atatttggat    180
aaaaataaag aattgctttt cttctccttt tgctgatttt ttgacacatc attctaagca    240
aaatcatctc agcttcgtat atttcagcct gaagtacttc ttaccaaagt tgtttcatgt    300
aacatttgtt caatatgttc gtgacatgtc tctcagtaat gaaaagttat gcattttatt    360
gaatgaataa aaacctaacc tctgctattt ccattctgg aagttgtaag agctcacatt    420
aaagacagta aaagtcaatt taagccaaga tcattttcag cccaccaatg tcatggctat    480
tggaaaggaa aacctaatgt gatcattgaa ctatcataac aagtggaaac tagaactttt    540
ttatagcatt ttcatgatat aggtcctgtt atagtaagat atttcattct atttatcaaa    600
atggtgtaaa taaaagaaac acaattattt tggtaatgct tatcttcagt ttaaacattt    660
```

```
attctttttca gaaatatgta aatacccttt gnaaatatat nccaaatgaa aaataaggga    720
tattttaccc attaattatt tctggaaaga tcttatgctg gtttaaatt                769
```

```
        <210> 3673
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3673
ttncnaannn ccaggctact ngttcttttt gcaggatccc tcgattcgaa ttcggcacga    60
ggtcctggct actgaggagg ctgatgcagg agaatcattt gaacccagga ggtcaaggct    120
gcagtgagct atgattgcac cactgcaatc cagcctggac aacacagtga gaccctgcct    180
cacaaaaatt atattctgat tttctgagtc catgaacaca ttgtccaaat ggattttttct  240
agctcctcca agttacagat agttccacgc acacacagaa ctcaccactc tcaaatattt    300
tccccactag tattactatt aaattttttca aacatgcaaa agatgaaaga attgctcagt    360
gaacaccatg tacccaccac ctagattcta caattaacat tttaccctac tttctttatc    420
acatatatgt acctatccat ctatccattc ttccatgaat ccatcaattc atctaatttt    480
ttatatattt caagttaagt tgcagatatg tagcttatgt ttcaccttaa atgtttctgc    540
ctggctatta ttaactggag tgcaatatgt ttttggttct tctttatggt aaaatctatg    600
ttcagtgaaa tgcacaagac ttaggtatgc cattaatagg ttttggacga atagacaaac    660
cttgngtctg aaactggaan taaaaaaaat caaacactaa aaaaaaaaaa aaaaaaaact    720
tcgagcctnt anaactattn gngagtcgta ttaccgtaga tcccagacat gataaggatc    780
cattg                                                               785
```

```
        <210> 3674
        <211> 763
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G

        <400> 3674
ttcaaatcnc agctcttgtt ctttttgcag gatccctcga ttcgaattcg gcacgaggtc    60
attcccatac aatgcaacat ccggaatgag gaggaggtga ataatttggt caaatctacc    120
ttagatactt ttggtaagat caatttcttg gtgaacaatg gaggaggcca gtttctttcc    180
cctgctgaac acatcagttc taagggatgg cacgctgtgc ttgagaccaa cctgacgggt    240
accttctaca tgtgcaaagc agnttacagc tcctggatga agagcatgg aggatctatc    300
gtaatatcat tgtccctact aaagctggat ttccattagc tgtgcattct ggagctgcaa    360
gagcaggtgt ttacaacctc accaaatctt tagctttgga atgggcctgc agtggaatac    420
ggatcaattg tgntgcccct ggagtnattn attcccagac tgctgtggat naactatggt    480
tcctggggac aaacttcttn naagggnctt ttcacaaaat cnccgattaa cgaattggtg    540
ttcctgagga ggtntcctct gaggtctgnt tcctactgtc tactgcncct tcttnattct    600
ggacagtcag ngcntgtnga tgggggccng anctctatac ccactcgtat gaggttccaa    660
atcttgacnc tgcnccaang ttccagggga ccntnttgnc ggtgaaaana natgnaagng    720
gactttttnaa ggngaanagc taancttcna acctctggna ant                    763
```

```
        <210> 3675
        <211> 772
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 3675
```
annccagttc tngttctttt tgcaggatcc ctcgattcga attcggcacg agacaggttc    60
ccatagctac agaggtgctt ttcaaactta cncagggaag tgtgaccttt gaagatgtgg   120
ccgtgtactt ctcctgggag gaatgggatc tccttgatga ggctcagaaa cacctgtact   180
tcgatgtgat gctggagaac tttgcactta cgtcctccct gggttgttgg tgtggagtgg   240
aacatgagga aacaccttct gaacagagaa tttctggaga aagagtgcca cagttcagga   300
cttccaaaga aggttcatct tcccagaatg ccgactcctg tgaaatatgt tgcctggtct   360
tgagagatat tttgcacttg gctgaacacc aaggaacaaa ctgcgggcag atgtcaaaat   420
acctgtacaa ttttaaaatg tcacaattaa acatgagctg gtttcccaca caaaanaaag   480
actgaagatn tgcattttaa ggatgacaac ataatggana aaattngaaa tagcatannn   540
aaaanctngg cccnttaaca natgnggntt gnnttgcccg aaatcccgnn nnggttanac   600
cccttggata ntttgggcaa cncccnantt gtntgccntn nanaaaaag ccntttnttt    660
tggaanaatt tgggaancnt ttgggtttta ttttggaccc ccttttaanc nccannaaaa   720
nanntttaan cccccnattg gnttnntttt ngntttnagg gttanggggg ng           772
```

<210> 3676
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 3676
```
ggnnnttgcn aatncnattt gacccnttgc ngcaggctcc ctcgattcgc tcaagcaaag    60
ttcctgtaga caaagtaaca ccaagtactc ttccagaaga tttctagann ttgaaaaatt   120
ccttcagcan acaggntggc gacaaggngc cnggatgan nangagcacc actaactccc   180
tnaggtgcta nacacacata atgggaagcc aacatttatg gaagaagttc tagaacacct   240
tcctggaaaa acacangatg aagtcaacag catgaaaant ggtatcaaaa gttctggctc   300
tagaagaaag aaanncagag tcaattnana tntggnaaac tnnaaagcag cncaannggg   360
aggaaatttc caagtcaaag gaannggctg acaacacacc tgtgcttatn tcatancnna   420
cangaggatt ancaanngca ancagaggaa cantgatgag actcaganat nggcatgttg   480
aagctaggaa gaaacagaan agnntagaan tgtcaatgaa atgngcttcc ccattnaaan   540
acgaaganga gaaagngana naacatgaca aaganncgcca gngccagttt angttnaaan   600
tactactnga aagttntacc cagcnacatg aaagaacagg aagaattttt gaggcttgaa   660
aaggagataa agggaaaagg cagaaaaggc ataaaaaagg aaaaagctgc tgatgaaact   720
tccagatttc aggaaagagt tgaaaacaat gttagtcgag atccctctag gcttn         775
```

<210> 3677
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)

<223> n = A,T,C or G

<400> 3677

```
cagctnctng ttctnnttga gaccnctcna tacgactncn gcncgagggg attngaatgc    60
ccatgaaaga cattttattt tacttgaata tattcttgct tcactttacc ctccataata   120
tgttgtcatt agtgctgatc aagtttacag agttacattt tgctttccta accattcagt   180
caggaattaa aatatggcat tgtataacaa ctgggaagaa gctcatagtg gatataaatt   240
agagtagata atgggtcacc ttgatagcct ctgtttacat tacttgtata tgggcaaaat   300
aattattacc tatacgtgta tttaagctta attttcatat aaacagtatt tttaatctat   360
gttaaaatag ataatatcta aaagtgtgat ctctaggtag tccttagttt attagtactg   420
tcttcaaaaa gatttttaaa taggtccggc acggtggctc atgcctgtaa tcccagcact   480
ttgggaggct gaggcgggcg aatcacctga ggtcaggagt tcgagatcag cctggccaac   540
atggtgaaac cctgtctcaa ctaaaaatat aaaaattagc cgggcgtggt ggcangcgcc   600
tgtaatccca gctactcggg angctgangc aggagaatca cttgacccaa ngggcagaag   660
ctgcagttag nccaagatcg catcatttgc actccagcct anggacaaa gacgcgagac   720
ttcatctcaa aaaaaaaan nttnnccnnn ntnnnnaaa                           759
```

<210> 3678
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 3678

```
aaaaaancag ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgagctg    60
gaaggggcag agcccaggac agggctccat gtccacagga cggcgaggag cgaagaccat   120
ggggactgag tacacagatg aagacacaga agcatagaga ggataagtaa tcactagcaa   180
gtggaagaac cgggattcag atccagaaca ggctgactcc agagtcactg gctgtcatgt   240
agtttcctca actactgcct cagctctaca atcccagagt aaagctcttc tccaaatgaa   300
gagccaggaa gaggtagagg tggcaggaat taaactttgt aaagccatgt ccctgggttc   360
agtgactttc acagatgtgg ccatagactt ttcccaagat gaatgggagt ggctgaatct   420
tgctcagaga agtttgtaca agaaggtgat gttagaaaac tacaggaacc tagtttcagt   480
gggtctttgc atttctaaac cagatgtgat ctccttactg gagcaagaga aagacccttg   540
ggtgataaaa ggagggatga acagaggcct gtgcccagat atcctgaaaa tgcccatcag   600
taagttgaac aagaagaacg ggagctttaa gaacaagatt caagatgaaa caacacaagt   660
gttgaatatt ttataaatag ctaaaggcag aaaacgttgc caattatctc agacttncag   720
aagtgaaaac aaacaaacaa acaactnaag tcttaattga at                      762
```

<210> 3679
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 3679

```
aaannccngg ctactngttc tttntgcagg atccctccaa atgcttgggg cacgagggtt    60
cagagaaaag taggcagaga aaggcagttt aggaggtgac acaagaggga agcctaagga   120
gagagaactg gatggagctt cccaggtgat gacagggttg aactccaggg ctatacccag   180
```

```
ctgagcaagg agagctttgc ctcttcagga gactggaagt tggggaagac tccaacaggc   240
ttgtggtcag aagctcagga gactgggaag gaaaagtgaa tttctgagga gtcctagttc   300
atttcattaa tttgttcaat tctttaacgt atgtttatta tggacctact atgttgccag   360
acgctgtgct agctgttagg gacacaatga tgaacaaaat aggcatagtt ttttacccca   420
tgagagttag agggtggtgg ggagagtcat taatcaaatg gcacaaacac atgtaaaatt   480
accataaagc gggtgataca gaaaggcgac tggtgttagg atagctaaaa aagagggatt   540
tcacctggtc aggtgggtca gggaaagctt cttagagaaa gagggacttt gggcttgatg   600
aatgaaaggt gaatttccag gcaaagaaga aaagggagga ngcttctagg cagaaggaac   660
ttcctgtgcc atgatctctg agaaatgaaa gattaacaaa ggccaattgt aagtngaacc   720
agaattgaac ccaggaangc cccaaanttg agaanaaaaa ggcccagggc aagggccatt   780
ncntggnt                                                            788
```

```
        <210> 3680
        <211> 763
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G

        <400> 3680
ttcnaatgct agttctcgnc tttctgcagg atccctcgat tcgcacctaa cattaggtgg   60
cacttaatag tgatgataat cacttatgga gtctactaag atgttttgaa tcccttctcc   120
cattcaaaaa tcttgncaac cctgtgagac agatatgctc accttactga tgagtacggn   180
ggcttggcaa agtaggtatg ttgnacatnt tacacagctn gtnactgnaa gantcnntnt   240
catatactcc cagattcaga actttaaata accccatgct accttctagg gaaagcttct   300
gctatgtgtt tggagggtna ggtgaganaa aggngaatnn taatctncca acatgctcac   360
tccttttttcc tgctctgtgg gggatgtaag tgaataaccc cagtgctgtg gtgcactcgt   420
taatcttgta gcantgacan gtggaatgtg ggtctgcagg tggccttggt atggtgggga   480
taactatgtg ccttcacctg tccctacaca ggcataccta ccagcttgcg tttgctttcg   540
acatgtntgg gcaagngtga attgcctctg ctnctctgga gagatgggcc ctgtggctgc   600
tntgggaaga acatcaaatt ttgcgtncat ttacatatgg catnctgtgn ntntggaatc   660
tatgcatntn gtgttccctg gcttcaaagt tngtaacnna tgtggtnaga gccaaaaccc   720
ctacttgtgt accaaaggaa ggngcttang gaanaatggc ttt                     763
```

```
        <210> 3681
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(770)
        <223> n = A,T,C or G

        <400> 3681
ttctaatgct tggctctcgn tctntctgca ggatcccatc gattcgaatt cggcacgaga   60
gagaactagt ctcgagtttt tgacagataa tagccaccct aggaggtgtg aagtggtatc   120
tcattgtggt tttccatttt tctgatgact gagaatgttg agcatctttc cctgcgtgtt   180
gtccatttgt gtatcttctt tagagaaata tctgcttacg tcctttgccc agtttttaatt   240
ggattgtctt tctgttgctg agttgtcgga attggttgta catcctccat actgagtcct   300
catcagatac ctgatttgcg aatattttct tccataccat gagttatctt ttcactttct   360
taatggtatc ctttaaagcc ccaaagtttt taattttgat aaagtccaat ttatctaaaa   420
aaaaaaaant aaaacnnana naaatnnaaa anaaaaaaan ctngnncctt taaanctnta   480
```

```
gngngtcgtt  tncgtaaatc  cnnncntgat  aanatccatg  gntnanttng  nacaaaccac    540
aattnganng  cagggaaaaa  anngctttnt  tngngaaatt  ngnnanctnt  tnncttaatt    600
tganccattt  ataagctgcn  antaancang  ttaccancnc  caattgcttt  catttaangt    660
tnaaggttca  aggggnaggt  tnnggangtt  ttnaantncg  gggccgaggg  cncnaaatgc    720
attgggcccg  gncccaantt  tngncccntt  nanngngggn  taaattgccg                770
```

        <210> 3682
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 3682
```
ccnngntttc  naaatnccag  ctctngttct  ttttgcagga  tcccatcgat  tcgaattcgg     60
cacgagaggt  gttgaaatta  cagaagggac  catttctggc  aacacagcag  accagatatc    120
ctataaaagt  cttccattac  agaacaccta  cacatcagga  gctcaaaaac  agatatattc    180
tttaaatgtc  tagccaacat  tttggaaaag  tgtgggaaat  ccctcagggc  caaaaccaga    240
gggagttgga  caccagagtg  ataagcagac  actgaaggca  aggccaacct  cagggcttgg    300
ctcaatattc  tagaacttta  cccttgttct  caagtctccg  tgtggacagg  ggatgagggt    360
tacctggttt  ctgctccttt  gactatggca  tagactctgt  agatgtctgt  aattgaccgg    420
gaggtatgta  gatgactgta  tcaagttatc  ctcctgaccg  ggcgcagtgg  ttcatgcctg    480
taatcccagc  actttgggag  gtcaagacaa  ggaaggaggt  gagctgacag  atgtgctgga    540
agagcacaag  gaacccacca  gtcaggcatg  atctcggaga  gggcgcttgt  ttgggggtta    600
ctcagtgaga  cctgggaagg  anagaaggga  ccttttctgc  angacggtgg  cctggagaag    660
aagctctttt  tccactgaaa  caggaggaat  ggcggggaag  gatgaatgga  tatgtgtatt    720
aattatctat  tgctgcatga  caaatacgga  tcactcaagt  ccaggagttt  gagat         775
```

        <210> 3683
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 3683
```
ttccaaatac  catttnangc  cttnttgcag  gctcccatcg  attcgaattc  ggcacgaggc     60
catgttggcc  aggttggtct  tgaacttntg  acctcanttg  atctgcctgc  ttcggcctcc    120
cagagtgctg  ggattacagg  tgtaaactac  tgctcctgnc  ctgnaatcca  ttttatnatg    180
ggaagcacan  ttacntagct  aatacttggg  ggcangagct  naagtnanna  ttgcatcnnc    240
antaatnntt  agaatgaata  tanattgaag  tcttggggta  tcccggcatg  attatgtcag    300
atgaaattat  gtgatatgca  naaggaaggc  ctcctgcact  tcatgnctnc  agctnantnc    360
tacananggn  caagggncna  tgannaatnn  ggangagggn  tncttgantn  gaatanatna    420
tntntcactc  agnttaaagc  ctgtaatccc  ancactttgg  gaaggccgag  gcaggaggat    480
cacctgaggt  caggagtttg  agaccagctt  ggccaacatg  gcgaaccat  ctctactaaa    540
agtncaaaaa  ttatctgggt  gtggtggtgg  gcacctgtaa  tcacagctac  tcaagtactg    600
angcagaaga  atcanttgaa  cccaggangc  anangttgca  ntgaacccga  gatcacacca    660
ctgnactcca  ncctgggtga  ccaagaatga  aactcccgtc  tcaaaaaaaa  nannnnnaaa    720
aaacttcgaa  cctttagaa  ctntnnttga  gtcntntttc  cntnnaaccn  nanc          774
```

<210> 3684
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 3684

```
atccnagnta ctcgctcttt ttgcaggatc ccatcgattc gaattcggca cgagggaagc    60
tccaggcctg gcgtgctgga gtcacgagat gagctgtcca ggctncatgg catcgtgagt   120
gaactccgac cgtggcaggt gaggcttctg cacttagctg gctgtcttca tgtgggccga   180
ttctgtggtt agtgattctg atttctcatc tgaaaagtgg tgcatcactt agcccctccc   240
acacttggag ggttctacta gtgtgcctgc gtggctgggt tctgcacact cagctacttt   300
agtttcttta gtctatcctt aaaaagattc ctaggtgtgt tcctgatttt gaggttccgt   360
ttggtcatta tgctctttca gagttcatct tttaaaatca gtctgtggac attttttttt   420
tcctcttagc acagtttatg gtctcatgca ggtcaacaaa ttgggactct gaatgtgagt   480
gtgtgtgtcc acacaccact agggcttatt accttattgt caatgttatc ttaagaaaaa   540
gtggaggctg ggtgcagtgg ctcatgcctg taatcccagc actctcagag gctgagatgg   600
aaggatgctt gagcccagna gtttgagacc agcctgagca acaaagcaag actcctgcct   660
ntacaaaaaa aaaaaaaaaa aactcgagcc tttanactat agtgagtcgg atttacgtag   720
aatccagaca tgatagatcc attgatgagt ttggg                             755
```

<210> 3685
<211> 889
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(889)
<223> n = A,T,C or G

<400> 3685

```
gctgggctac ttgttctttt tgcaggatcc catcgattcg aattcggcac gaggtttaat    60
ctctttaact atcaaattgc aatttttttt ttgccttgca aataaacaaa ttacaattgt   120
catttactgg tgagacaatg agaaaaagac accctcaaac actgttggta gaacacaaat   180
tgttaaaatc tttctaggag tcattttcaa attatgtatc aatgacctaa aaatatttat   240
gtctcctgtt cttatacttc cagaaatcta ttctacagta ataaccggag ataaaaacct   300
ttacatataa acatgatttta ttatactgaa aagtcaaaac aacataaata ttaaaaatag   360
gaggtggnan atttcacctt taaatgctat gtaggagaat acttaaggga ttggtnaagn   420
ccaatagttt tngtattang tggaaaatgc cngaatggca tgaatgntgt acaaananag   480
cnntcatnnn ttgccactct tngtcataac cncntcgctc ttcnatgcat ncccattat   540
tacaaactgt tcncnnanac tcnncnttca ccangnctcc ngcnnntncn annncgancn   600
tctncctccn cancnnnccc ccgctcnctc nttctcnnca acctngctcn ccccncacnc   660
ccnactcccc ccncnttact ttnncccacc natccncgnc acnnctntnc ttcnnncatn   720
ntncccennc ctactcnccn nntagcnctc cncnttccca cacttnnctc nnntctgnnc   780
cntccnttcn tctcncttac tacataaccn ncnctcttct catctctctc ttctctctca   840
cnnaccccat ccncnncnnn ctcttcctct cttannctct cactancct                889
```

<210> 3686
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 3686
```
gaccaattat atgacantta ccagcgaacn anaaggctgg gcgaaaanat caaaccatcc        60
tttgctggca ttaaatattc aagttgaaga tccttcacct tcctttaatc ctatattaga       120
gtctataggt gtgtctttct tatagcaatc ctgcactcac ataaaaactg tattttcaat       180
ataagatcaa aatgtatttc acaaaaaatg catctttata tttgtttaca tttctcctga       240
ctgaatggtg ccatgtacag tctgtgtaag ttatagaaaa cgtttgccaa ctcgtagtct       300
accattttgt tatttgtttt ctatttgttt cgtctgttct ttactgcttt gttttccctt       360
tcctgccttc ttctggatta attgagtatt ttggtaatcc tttttaatct cctcttttgg       420
attttttagc tatacttacc tgttttttgtt tttgtttttt aaggcgttgg taggaaataa       480
tgtatgcatc cttaccttat taaagtctat tttgaaatac tgttacactg cttcatgtaa       540
cttacaatat gaacctcaca acagtatagt tcattttccc atcccagtat attttacttc       600
tttgttataa accccatctc tactaaaaat acaaaaatta actgggtgcc agtggtgcgc       660
atgcctgtag tcccactacn ttgggangct gangcaggag aattgcttga accctgngag       720
gcnnangttg cagtgagtcn agacgcncca ctgcactcca ccc                        763
```

<210> 3687
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(829)
<223> n = A,T,C or G

<400> 3687
```
gcntattant gtgncttatt antgtggcct aaananatag gctggggcga attcggnacg        60
agcttaacat aacctatgag agtggacagg tgtatgtaaa tgacttacct gtaaatagtg       120
gtgtaacccg aataagctgt cagactttga tagtgaagaa tgaaaatctt gaaaatttgg       180
aggaaaaaga atattttgga attgtcagtg taaggatttt agttcatgag tggcctatga       240
catctggttc cagtttgcaa ctaattgtca ttcaagaaga ggtagtagag attgatggaa       300
aacaagttca gcaaaggat gtcactgaaa ttgatattnt agttaagaac cggggagtac       360
tcagacattc aaactatacc ctcccttggg aagaaagcat gctctactct atttctcgag       420
acagtgacat tttatttacc cttcctaacc tctccaaaaa ananagtgtt agttcactgc       480
aaaccactan ccannatctt atcacgaatg tggaaaccac tgtngatgaa gatgttntac       540
ctggcaagtt accngaaacc tcctctcaga gcananccgc catcttcata taangcnang       600
tgntaattgg atgggaanaa gctncaanaa gatcctgngt tnngnnctgg agcaaccnnt       660
ttacccccgc atttcctttc tanttnttag aacntccatc ggttggnttn ggcaattncc       720
ncggaanncn gcntnttgcg gncanctnan cccntnttta aaangttgtn nttctncccc       780
cantttttnct tgnaaatccc tacanggcta attccttcaa ngcttcnct                 829
```

<210> 3688
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

```
        <400> 3688
tnctaatgct gggcttgntg gcttgccgca gganccctcg attcgaattc ggcacgagat      60
agagaggaac aaagataaga atgacagcag atgtgtggtc agaaattatt caaggcagaa     120
gacagtagaa ctgaaaaaga aagtaggtca atctagaatt ctatacccaa cacaaatatc     180
cttcaaaaat gaaggtgaaa taaacacttt ttgatggaca aactgaagtt gagagaattc     240
gtaaccagca gacctgtagt acaaaaaatg ttgaggcaag ttttttaggc agaagaaaaa     300
tgatactaga tagaaatttg ggctgcacaa aggagtgaag aggcttccaa atggtaaatt     360
atatggaaac atatgaaagt tatcttttct catttttaat ctctttgaga aactgcttaa     420
agcaaaaata taaacaaggt actttggagt ttagaacata catagaagca aaatgtatga     480
caaaaaatac taaagttagc caggagtagt ggtgtgtgcc tgtagtccca gctgtttgtg     540
aggctgagat gggaggatca tttgagcgag cctgagaggt cgaagctgca gtgagctgtg     600
atggtgtcac tcactccagc ctgggcgaca gagtgagacc ttgtcttgaa aaaaaaaaaa     660
aaaaaaactc ggcctctana ctatagtgag tcgtattacg tagatccaga catgataaga     720
tcattgatga gtttggacaa acccactgga atgcagtgaa aaaatgc                   767


        <210> 3689
        <211> 986
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(986)
        <223> n = A,T,C or G

        <400> 3689
acttattntg ggnctaantg gngngccaaa aaaaaggntg gggagcatgg cttagntggn      60
atcntgagan taatnatgag atctacnctg aaatgactta acctanaatt aatgtgtggn     120
cagnntgnaa tatgtgaaat tnnggcntta ncnctctttt ggcnntataa aaatctnnna     180
ttaaaaaaca tgncattnga attgaacatg tgcntaaccn ctgaantatn tctganaaac     240
cctaggtncc gtggcatatg ngatgaatnc canngacnna tnnaaccnca tnttacatan     300
nntcacngcn tatnnaacat caannatgct tgngnaaagg gntannantn cncaacgact     360
nttgtttnng agcanctntc ttngntagac cttntnaccn ncnanggntn ctcttaacnn     420
gntgatnntt nactcatcnt tcnctttctt tcctattctn nnnntccaaa gtttccncnc     480
nnaagnnann atgaatnant ngtgnncnnc caccctnatn attntanata nncgcnattg     540
aaatntaata canntcccnc tnncctcnan nnaatnccat nncatctnan taaaantata     600
ncantnncnt tnctnaccnc nnaaagattc aaanttcgct ncccttnttn ncnatatact     660
ctnnatannn atannccgaa attntcancn ttctantnnt nacntancaa aactcnctat     720
agnaccctca catncctcng acacnatnat nnccaanaac ctntaatcgg annnnacntn     780
tctgaatnnc tcncactcct nttataccnt ntnntcattn taactctatc atctngnant     840
angnccatct ccctcanatc taaacanntt ntngcnctcn nntagnggag antgtctctn     900
tacgnctnan aanggcttct cngatcntcn naatactcnt atagagacta tacnctcatn     960
attgctcaca ntatctacaa cacnng                                         986


        <210> 3690
        <211> 847
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(847)
        <223> n = A,T,C or G

        <400> 3690
cnnattanng tagctggatg ctggcctaaa nanaaggctg nggcnaattc ggcacgaggn      60
```

1101

```
agcttgtggg nnagacnanc aanggtgcat gangaanaaa acnnaattca ntaagccngn    120
naggnacagc ccatagtctn ctcgattngt acaatcaagg cggacatttn ctggntatgt    180
ggannagagg ttaattggcn gnctatgant ggnnnagcct aaanttgngn ntacntgnat    240
nnnntnatnt gcnnanaaan gcatnngant tanagntncc aaaagntntg aaccnaagga    300
ctanagnaac anacnnntna tngcctggtn ntcagtnata ncnacaccnc acaggggacn    360
ngatnttncc cngnanttnt nacaggtctc nnnanctggg actcaagncn ncccatcatg    420
caatnncttc anannaactt gtgacttgca ntnnnatact anancttnan tcccttntta    480
cattcctcaa atgcncaact ccncttttct taattccnat tatnnactnn ntnnncnngc    540
ttattggncc actnntanca tncnggnann nccaactaan cnnattnntn gannttgata    600
ttgggngcctt aacnaacana ncgtnnntat cgctnngtca ccantctcac tcattnatca    660
annacnnnng cnnnantnat tctcnatcna nncnnanttt gctanantnn nctttcccnn    720
cnttnanttn ctannaaacc ccctntcnnn ggcnccaatn gnnaantngn acccnnncnn    780
tctnnanggg ntnactnggc cncataccte ctgngcaanc tntnaanngg canactnctn    840
ntcncct                                                              847
```

```
        <210> 3691
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 3691
ctaatngctg ggctctngnn ctttnngcaa natcccancg attcgctgca aaatggactg     60
tgattcagga cctcctcctt acctacgagc accctgggag ggactgacta atggcccagg    120
gacacacagt catcctctgc aggcaacagt caggcttcta cttgctgaag ccgtcaaggg    180
cttgactgtc acactcagtg ttctggaaaa caaatcagta aagcaattta gaggatcttt    240
tgcaaatcag agaaaaagaa tcaatacaag gcgaaagaat tctgatcagc actttaaaac    300
gtgcttatca gaaacttttc ttctctcttt taagctttgg ttctaactga gaaatgcact    360
ggataatagg taaccctccc cagaagaaca tggacttcat catttcacca gattcacttg    420
ttcccttttaa ggcccagcca ataaaagtat atggtatctt caagctctga tttcctaata    480
tcagagataa aaagccatgg gaacgcagag acttggtgaa tttgtaaaaa tccaaaaaga    540
aaggccagtc atgacggctc acgcctgtaa tcccggcact ttgggagggc aaggcagaag    600
gatcacttga gcccaggaat tttgagacca gcttgagcaa catggtgaaa ccccatcttt    660
taccaaaaag ataaattatc tggacatggt ggtgcnagcc tgtantccca gcaacttggg    720
aaggtgangt aggaggatca cttgagcctg ggangtggaa ggtcccggtg agccc         775
```

```
        <210> 3692
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 3692
agnnnttcta atcnnntttc aaatcgctng gctactngtt cttttttgcag gatcccatcg     60
attcgaattc ggcacgaggg ccaaactagg gcctgctctg acatccgcaa tgtacgtcca    120
ctagcagtgc gcaagacctc ccgcgagaca ggtgttgttt ttaatgccca tctcacagat    180
gaggaaaaga tctcaaagta ccttgattat ttacccaaag ttcccgaccc aggcctttaa    240
aactttttat gcatgcaccg cctcttgacc acatcagaca atcaccacaa aacgatgggc    300
```

1102

```
tgacagttac tagagggtta gtaacttatc tttaaaaggg ccaggtagta aatattttag    360
gctttgtggc caaaagtctc taccacacct actcaactct gtcacgctag cacaaaacag    420
ccacacacaa aaaccaaatt gggcagctga aaaaaaaaaa ataataatta cttaatgaan    480
aaanaaanna nacnanttga nnnttcttnn tttttnatnc natnatcccc tcntgtnatn    540
natccnttna tgtagcttgt gacaagnncn ntncttnaaa ncatcnnnat aaaaannncn    600
nctnntttnt tnaaaaacct tnnatcctct tncanttntt tggnnganat ntttnancng    660
tntaaaanna ntttttttcaa aaannnattt tnaanaanta taagtcccng ttttttttngn    720
tttcgggnnn ngggttttta annngggncn tnngtcccaa nncttgggn nccnaaccnn    780
tttnn                                                              785
```

        <210> 3693
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3693

```
aaatncnagc tactcgttct tttggaaggc cnncatcgat tcgaattcgg cacgagattt     60
tcatccgagg cattgtctaa tgatgtccca ctgcgaagga taaagatgta gttttctttg    120
actctgccac ctcccactac tcagctcact catacttcct gccatctttc atcttcccaa    180
taagtatatc attatggnta cattagtatc agggtttaca ttattatgac catgtaaatg    240
ctatttctaa ctgagccatg tagtatactc tgatnacttt nnctttcttg cncaactttg    300
nctntnctat ggatngctac ttatccatat tgcttatntg ctaagctttc tgtatactta    360
tcattgncta tgnntntgat ctccaaattn tcctncaggt gcctgaattt cctctnggna    420
tgtccagacc tatctaaatn ttatantaat ttaaccttct tggtgacatc catnctgnag    480
nctttgttca cgacaatgct gtcatgctga gattaactgt catcattatg ggtatcnact    540
ttgcctacat ctgngtctnn ttnggatctc tnnnttgtca gaccccttnc tttcactcnc    600
ttggnctgca ctnaaattng gtggagcaca tgcaatanta ngntcctgag gtatggtgaa    660
tgggaggcac atnattgagg tctngcanac tgaaaatggt ttacaggagn ggcaaaccat    720
gacccataga tgaaatgtac ctggnacctg gtt                                753
```

        <210> 3694
        <211> 799
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(799)
        <223> n = A,T,C or G

        <400> 3694

```
caaatcncta ggctactcgt tcttttttgca ggatcccatc gattcgaatt cggcacgagg     60
catagagacc atcatggcat gctcccgtg tgaaggcctc tacttttttg agtttgtgag    120
ctgcagtgcg tttgtggtga ctggcgtctt gctgattatg ttcagtctca acctgcacat    180
gaggatcccc cagatcaact ggaatctgac agatttggtc aacactggac tcagcgcttt    240
cctttttcttt attgcttcaa tcgtactggc tgctttaaac catagagccc ggagcagaaa    300
ttgctgcccg tgatatttgg cttcttggcg actgcggcat atgcagtgaa cacattcctg    360
gcagtgcaga aatggagagt caanccgtcc gccancanaa gcaccaatga ctacattcga    420
gcccgcacgg agtccangga tgtggacaag tccgcctgag atncancgcc tggacacgct    480
ttttctggta angaccgctg ggattgaaca gaacttccgg taaataangg ccccgtcggc    540
aagacagcat actgctgtca caaagtgcna acacctggaa aagaaagaca agtgtcactg    600
```

```
gcctaaccat ggtccccact tctgtcattc acacaagttt taagtgggtc ttgccaccan    660
aaatcctctt ttgctanggt actccggaat tgcttccctg nggctttnat cttaaatact    720
taaccatggg annaagactt tcaagaagan tcaatcttta attccttccc tcaattggct    780
aaaatttttc ttaaaaaaa                                                  799
```

```
        <210> 3695
        <211> 876
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(876)
        <223> n = A,T,C or G

        <400> 3695
gnnnnnnnnn tttnnaactt nctaatncng gctactngtt ctttttgcag gatccctcga     60
ttcgaattcg gcacgaggca gtgactgcct tcggcttttt ttctgctgac taagatctcc    120
tatagagagc tacaacaatg cccaaaagaa aggctgcagg tcaaggtgat atgaggcagg    180
agccaaagag aagatctgcc aggttgtctg ctatgcttgt gccagttaca ccagaagtga    240
agcctaaaag aacatcaagt tcaaggaaaa tgaagacaaa aagtgatatg atggaagaaa    300
acatagatac aagtgcccaa gcagttgctg aaaccaagca agaagcagtt gttgaagaag    360
actacaatga aaatgctaaa aatggagaag ccaaaattac agaggcacca gcttctgaaa    420
aagaaattgt ggaagtaaaa gaagaaaata ttgaagatgc cacagaaaag ggaggagaaa    480
agaaagaagc agtggcagca gaagtaaaaa atgaagaaga agatcagaaa gaagatgaag    540
aagatcaaaa cgaagagaaa ggggaagctg gaaaagaaga caaagatgaa aaaggggaag    600
aagatggaaa agaggataaa aatggaaatg agaaggaga agatgcaaaa gagaaagaag    660
atggaaaaaa aggtgaagac ggaaaaggaa atggagaaga tgggaaaaan nnaaaaanan    720
nnnnnnnnnn nnnnnnnnaa aaaaaagcc tnttagaact tttaggggag tccgtatttc    780
cgtagaatcc ngnacntgga taaggatccc ttggatgnag ttttggacaa aaccccaact    840
tggaaatgcc nttgaaaaaa aatgcttttn ttttnt                              876
```

```
        <210> 3696
        <211> 876
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(876)
        <223> n = A,T,C or G

        <400> 3696
gnnnnnnnnn tttnnaactt nctaatncng gctactngtt ctttttgcag gatccctcga     60
ttcgaattcg gcacgaggca gtgactgcct tcggcttttt ttctgctgac taagatctcc    120
tatagagagc tacaacaatg cccaaaagaa aggctgcagg tcaaggtgat atgaggcagg    180
agccaaagag aagatctgcc aggttgtctg ctatgcttgt gccagttaca ccagaagtga    240
agcctaaaag aacatcaagt tcaaggaaaa tgaagacaaa aagtgatatg atggaagaaa    300
acatagatac aagtgcccaa gcagttgctg aaaccaagca agaagcagtt gttgaagaag    360
actacaatga aaatgctaaa aatggagaag ccaaaattac agaggcacca gcttctgaaa    420
aagaaattgt ggaagtaaaa gaagaaaata ttgaagatgc cacagaaaag ggaggagaaa    480
agaaagaagc agtggcagca gaagtaaaaa atgaagaaga agatcagaaa gaagatgaag    540
aagatcaaaa cgaagagaaa ggggaagctg gaaaagaaga caaagatgaa aaaggggaag    600
aagatggaaa agaggataaa aatggaaatg agaaggaga agatgcaaaa gagaaagaag    660
atggaaaaaa aggtgaagac ggaaaaggaa atggagaaga tgggaaaaan nnaaaaanan    720
nnnnnnnnnn nnnnnnnnaa aaaaaagcc tnttagaact tttaggggag tccgtatttc    780
```

1104

```
cgtagaatcc ngnacntgga taaggatccc ttggatgnag ttttggacaa aaccccaact      840
tggaaatgcc nttgaaaaaa aatgcttttn ttttnt                                876
```

```
        <210> 3697
        <211> 1151
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1151)
        <223> n = A,T,C or G

        <400> 3697
ttctaaatac taggctatng ttctttntgc aggatccntc nattcgcgcc gcaagctgct       60
gaatgccttg ggactagctg gtgattacct cgcccagggc ctgaactcac cctggccagg      120
tccanacctt tctgctgtgg ggagcaaggg ccctggtcgt ctactggctg ctggctctgc      180
tnctcggctt ggtcttggcc ttgctgggcn gatcctgtgg ggctgaanct tgtcatttta      240
cttggccgnt ttcttggccc tgatgaagtn ngtgccccga aacctttta nccggggccc       300
tggttaattc tggnccttg gttgaatcct cttaananca ctgcttatan cccngnttta       360
aannggnttt nccaaaacct ctttnggggg tnnaaaaatt ttataggcca aaatgnntnn      420
caaanggctt ttnnaaacnc ccnctttggt aanggaaacn tttagncntt nngncccnt       480
aaangnccaa antcggnncc anaaaggggg ggcccncca aaaanttggn aatgnaaagn       540
aaanttaaaa ccccgatntn gcncccaaaa aaaaaccggn ccaatnngtt tcattaaccc      600
nnaaaaaaaa acntttaaaa cctgngnttt tntnngnggc cccaatttttc taaaaaccct     660
tntcctttgc ccaaaaacnc ccccttggg gnccttntt ttnnaatttt ggnccccctt       720
ggggncttnt ttttngaaaa aacctttttt aaagnaaaaa caaattttgg gaatnncctn     780
ttttgccccn gnnanaaant ccccccaan antttttagg nccccaagg naagggnaaa       840
aaacccnctc cgggaaaaaa gggnaacccc caantttttnc ccccccctn tgggcctttg     900
ggttancccn tttttgccgg ggggnncccc ttggggnnnn ttttttttnnt aaangggggt    960
ttccttcttt gggnccctcn gggggggggtt tttngggct ntttnttntt tttaaaaacc    1020
ccccttttn atnntntggg ngtttcnnc aaaaaccttt ggggcccttt aaacccaagg      1080
gggaaaaagg tttttgaaa aagggggggcc cttatcnctt tttngggctt tntttgggna    1140
aaanatgggc g                                                          1151
```

```
        <210> 3698
        <211> 764
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(764)
        <223> n = A,T,C or G

        <400> 3698
atacagctct tgttctttttt gcggatccct cgattcgtgg aacaggagag tcgcatggag       60
gtactgtttg cctgtgctga ggccctgcat gcgcatggct atagcagtga ggcctcccgt      120
ctcactgtgg agcttgccca ggatctgcta gccaacccac ccgacctcaa ggtagagccc      180
gcccctgcca agggcaagaa gaacaaggta tccacgagcc cgtcagacct gggtggctac      240
caacaccctg agcaaggcgg ccttcctgtt gacagtgcta antgagcgtt cagagcacca      300
caacctggcc ttccgagttg gcatgtttgc cttggagctn canangcctt canccttntac    360
aaggncttgg aagtgaaact tgcattccan gaatctgaag tggctgncct gctcaaagaa     420
gatccctctg ggtccaaatg agatgagtac catgccgtgc cgggcanang aacttcggga     480
ggggacactt ctgtgactat cggctgtgtt gnctctcatg ctggccagtt catctttgac      540
gtctctgtgc tccaagtatg atgcctgacc ctacagtaag tggggaactg gggtangggt     600
```

```
agctttctnt taanaaagan cnaagacccc aagtttctga atcaccttta ggaccatcag    660
caacttcatg ggttnccggc cccaagtcgc aactggaaca ncgagacacc ttggggataa    720
gaancttgga tttnaacaca nnttgcttgc cttgggcatg aaaa                     764
```

```
        <210> 3699
        <211> 867
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(867)
        <223> n = A,T,C or G

        <400> 3699
ttcctaatgc tnggctactc gntctttntg caggatccnt cgattcgaat tcggcacgag     60
aatgaaggtt ggggagaaaa gaaagcaatt taggagactc tatagggagg aaaggatgag    120
atgcatttca gaaacaaaat attaacgtaa acagaaaaaa gagaaagcaa tcatgacaaa    180
gcctaagagg gctagtggaa tgctagaatg aactcattta ccttcctttg atatttangg    240
gctctattgc ctgctaattt catcactgnt atttttctta cctcttatct ttttccctgt    300
agttattatc agcctaatat tcattcattc attcatttac cttgagtttt taagcttgtg    360
cnnaaaccaa caaggttggg gcccnagttt ncnagaatgn ngttnccna cnttggnaag    420
taaacntggg ttangggaaa aaangtnncc ancttggccc tttttaaaga caccaangtt    480
ttacccncat tccatggggt tcaatgggga aggaaaaacn aaaggggant ttattttgna    540
aaaaactgtt gccaagattc ccgaaagggg agcccctng aaagctttta aacctnccaa    600
nnaanccttn cnagacctt ttggccttt aaatnccctt tttaaaaagg ccccccantn    660
agggaaaaaa ttcccagant gaatggggtt accnggtctt gacctttang gaacatgtan    720
gcttgncttg cccnatgttc ccncaacatt nggtccctt ttacaatgnc cttantacat    780
taatnggngg gcccctcatt ttnaaatttt aaaaaatttc attttancct tttaaaaaat    840
tcnttttngc ccaagaaaat gttttct                                        867
```

```
        <210> 3700
        <211> 935
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(935)
        <223> n = A,T,C or G

        <400> 3700
tncntatnct ttgaantcct ttttgcggat ccctcgattc gcttttttta gtgatcactt     60
ttgaattgtg ttcagatatg cagtttcagg tgtnatcatc agagctggtt agtcaggcat    120
tccagatagt ggttctttc agaacctttt taaaagggtt gggttaacta cctcagtagc    180
agaggattga actataccct gtctgtactg tacatagaaa atctttgtag ataaaagcaa    240
ggcttgttaa atatgatatg agggtaagat tttaatatac caaatgtaac attcttagtt    300
gcctttagtt tcanaggctt gtaagacttc ctcatgaccn tnattacagg ccttgctttt    360
ggccgnattt tggggctgaa aaagcaccct tgcttcttca ganattgnag ntatttggat    420
gtataatagt ttanccagat ggtacttttg gtaagacatc agatgttcaa aaaagtgcat    480
tccaacttgt ctaaatactg cagtgtcccc tttataaaaa ggtcagacct aaaactggcc    540
aatttgntac anccggaanc cctggncatt ttgggatatt tttggaaagg tttttttcca    600
ttaaaattca tttgggaaaa tttaggtaat tattngggct tggtaaaggt tttaaaccct    660
ttttttttaag gggtnaaaaa angggtattn ggttttccaa ttttaagtng gccattttcc    720
ttttcccttg gcttgggnat tccacctggg tnaaaaacca ttggttggga aaatccnaag    780
ccttttttncc caaattttcc ctttaatggc ccangggttc caattggaat naaacctttg    840
```

```
ggtaaaaaag gttttnnaagt ttcccaaatt ccatttttgg nggccttaat ggggtttttt    900
taaaaatttt tcccttnaaaa gccnnccccct ttggt                               935


        <210> 3701
        <211> 977
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(977)
        <223> n = A,T,C or G

        <400> 3701
atnccancta cttgntcttt ntgcaggatc ccatcgattc gaattcggca cgaggtttta     60
agtattctca tccgtcaact gggattggta atagtacagg gctgttagga tgattgcatg    120
agatgaaata catttagcac ttggtaagca ctctataaat atggcaatat gatagtccct    180
gactcatctt cctctctgnt gccctttaaa caggtgagca cctagccttg ttggtttttat   240
gtgctcaaca gcagttggac ttcccctggg ctcctctacc catgctactg cgtagtcaan    300
ccctccataa anctnctctc tggnctctgg ttcccanatg gnctttggcc tttccttttt    360
ccttcccanc ttaacgtttt taaccatgcc ccngggaatn ttttttgaaa angggaaact    420
ggancctnng gtncccngg ctttaaaaaa ccnnccaata aatttnttac ccncattagn      480
agggnntaaa aaaancctaa cttttttggg gnggnantac ctgggacttt ttctttccga    540
actttttcct ggcccttcaa acttttccaa ccctcttttcc ccggtncatt ggggatccct   600
attacccggg aggaacatta cccaaaaatt nccttaaaa ttttcttncc aaaacattgg     660
aanccttttt tcccgggctt tcttttttcaa taatggtanc aatggttccc aaaaggccaa    720
atttnattct tggnccttttg gaaacctttt tggggaaacc aagaacttca acttttccatn   780
gggccccagt ttttttnccaa attcaaggga aggtttttttg ggcttggtaa aagggntacc   840
ccaacaantt ggccaaggga aaaaaaaaag aagcccacct tgggggccctt naaacctggg    900
gtnggggggaa naaaccccctg ggggggtnccc cttngggtttt tnccctggggg nccttnccca   960
accttaagnc cccacna                                                   977


        <210> 3702
        <211> 932
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(932)
        <223> n = A,T,C or G

        <400> 3702
naatcccagc tacttgttct ttttgcagga tccctcgttc ggaccctcat gccccgcttc     60
tgctccagcc tttcttactc attaggctct agtctcactt cttatttttt aaattgtgag    120
taattttcat gcttggtagt tgatttcttt tccatctctg natgcatact tcctgcacct    180
agtaggcact tgattttttt ttctttgaat acacagcaga tgccatgtna actcattagt    240
acttgcctca aaacactgaa ttcttacctg ngttaaatgc ntgaatcntt taaacttttt    300
aagtttacct agaaagtgta taaagnggga actaatcnnt tntgantggn nataccncccc   360
nngntttgaa aactaccttt gancnttttt ttccttttta atnaagctct taaaaccggt    420
taancagccc cccgnggata nnaaagaanc ttttaagctg ggggaacnc cttcatttttc    480
ccnggaaaaa aaacngnncc aagggcttgg ggaaaaaaat gccnctaagg gattgttttc    540
cagccnttcc agaaattttt gggccnaacc tggangaagc ttcaaaattc caaggaaatt    600
ntggtaaang gggnttttta tgaggccaaa ttaaatnggg nccttttagna anccccnttt    660
aggaccaatt ttaaatnggt ttgnaaaagg cccagcccttn ggtnaacctg ggnccccttt     720
ggctttngct ttttttnggggn ccattcnttn atacctgggc naaaatttaa ggnaaattta   780
```

```
cctccaggtt tnaaaaaaat nggncncctt tnttggnaaa aaagtttccc ttgggngggt    840
tttaaaggga aaaanaanaa aangnnaaaa aaaaacttcg agnccttttt naaacctttt    900
ngtggaggtc cggatttacc gttagantcc cc                                932
```

```
        <210> 3703
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 3703
cnaatngcta ggctactngt tcttttttgca ggatcccatc gattcgaatt cggcacgagc    60
actcttttat attagggact tgagcatctg gagagtgtgg tatctgaggg agttcctgga    120
actaatgtgc agatgccaag ggacaactgt actattgtac ttggaagtac tcatggggtc    180
atattgcatt gtttctttga gtcctaattc tgccaacatg gcctggtgct tgcattaatc    240
agctttctaa tctctgagta acaaggcaca gtaacaagga gcagtaacaa ggcacagggc    300
tggcacctga gagtggaggt acccaggagg cagacaccat aaggcgggaa atggacatat    360
gtacagaatc atggctgcat gtcctgaanc ctggcttaag ccatcaacgg ctgctgggca    420
agggccaaag ccctgttatc cctttcgccc ttnctgatgg ctctgtctct gccttcactg    480
ggtgtgggca agccnnaccc acccnaggct nnagcccttt acccacagtg ttannaaatg    540
caancttcaa taggattgtn cttnaggccc ttncccanaa anccnggatt ttgacagggg    600
gcnatgantt cannnnccng cttttaatgg attggcctat cggttttaaa aataatgacc    660
aatnggggcn ttgngcctgg ccnanaancn ntnancattc nattttcctg ccaatttttg    720
ggtcnaaatn ccngcngntt ttncnctngn nnngttnnaa tgaactgnaa naaaatnnnt    780
ttgnttgng                                                          789
```

```
        <210> 3704
        <211> 805
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(805)
        <223> n = A,T,C or G

        <400> 3704
ttcnaatgct tggctactcg ntctttctgc aggnatccca tcgattcgtt caaatctgcc    60
actcccagag cccgtggaac tctggcccaa ggctctctga ctgactcctt cttggcttag    120
cggctgaaga ctgacactgc ccgatcgcnt nagaaacacc gtaaaccatc acggangccg    180
agctntactt anctttcana gtggaggaan gcnggaatgt nangcctctn aacccaagcc    240
aagccatcac attccctgng acttgnacgt atgcacgtnt gcncctaaat ggcctgaant    300
tactgaataa tnacananga ngtgaaaagg ccctgtcccg ccttaactga tgacnttttcc    360
accattggga tttgttcctg ccccacctta acngagngan ttaccctgtg aatttncttc    420
tcctgggtca naanctcccc cactgatcag cttgggancc ccgttcntnn caccatanaa    480
caaacccccct ttgactgaaa ttttcccatt accttcccan atcctataaa angggcccca    540
nccttatntc ccttcgctga ctcttttcng ncttnnggcc catctgnccc tggcgaaata    600
aacancatg tagttcacat aanaanatcn tttaaaaaac cttngancc tttttnnaant    660
atantggagg cccnttttan gggaaattcc cgnantttgg ataangatac catntgtann    720
anttntgggc caanacccnc aaactntgaa atgnccattt gaanaaaaaa aangccttnt    780
anttttggn cnnaaaattg ngngg                                         805
```

```
<210> 3705
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(868)
<223> n = A,T,C or G

<400> 3705
naaatccctg gctactcgnt ctttttgcag gatcccttcg nttcgaattc ggcacgagcc    60
agcctggcca acatggcaaa acactgtgta cactacaaat agaaaaattg gccgggcatc   120
atggtgtgtg cccgtagtcc cacctactca ggaggctgat gcaggagaat cgcttgagcc   180
tggagggcgg aggttgcagt gagacgatac cgtccactgc acttcancct gggcaacagc   240
aagactncgt cttcaaaaaa aaaaatttta aaaagatttt tcttatggng ggtttcaaaa   300
aatggttgtn ttggcaacgc tnggtgccaa tgggttaccc ctgnntaatc ccnccacttt   360
ttaaaagncc caaaccgggt ggggatcacc ctctanggtc nggaaatttt gtnnnacctt   420
tggggtnnan aattnngngn nnccccccat ttttttcntt ataaaangna ccccncnaaa   480
aaattctatt tccncggaat ttgggtgggc accgttgccc ttggtaaatt cccaancttt   540
ctttggggga angctttaag gcccaggnaa aaaattggnc ntnaaanctt ctgggggctt   600
caaagccgaa ncanttncca accttcaacc ttccatatnn anttggggac tacnagggng   660
ccncccnanc nttttnctgg ctaanattta ctgantttca ngtagagnan ccanctttnn   720
ttatttttnc ccaaanncnt gctnnnaaat tcntnnctnt tatgnanccn accaatatct   780
nnntncccna aaattctngn naccnttnnt ctnagaaacc tnatngccnc nantannncc   840
tngggttcan nntttcccon tccntttc                                      868
```

```
<210> 3706
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> n = A,T,C or G

<400> 3706
cctagttcna atngctnggc tactngttct ttttgcagga tccctcgatt cgaattcggc    60
acgaggtgaa gccacctttg tgaacagtat agtaatgtct atacttgttc aatagtttag   120
aggaggtagg agggaagaaa ttgcaaaagg taatattact agtgtgttca tacttggaca   180
ttttcagaca ccattttttct atatgttttg tgcattttgt tttgctctgt atatagtata   240
tataatggac aaatagtcct aattttttcaa catctagtct ctagatgtta aagaggttgc   300
cagtgtatga caaaggagta aaattagcct attttgtaca ctttgnggtt gaattcctng   360
gaaaacctgg cttctgnnaa aaaccttttn cttaggaatn tgtttngcca tctcttaacn   420
ttacaccntg ccctgtnctt ntccactgga ttgaaaggcc cnataaagga aggggaggga   480
agggaaattg atttcaaagg ccccaaatgg gccacatttt aggaaagaat accctcacna   540
tggaataanc ccatttggtt aatgtngtgg tgccaaattt ttatttaaac aagtgcctgg   600
ngtaatggtg ggtgggacc aaagtttatt ntggaaaata tcctnagtnc tttcttagaa   660
tanttttggg aaaatgcctt ggatggtatt ttaaaagtg gtaagtagaa atanacccct   720
tttggaaaat aagccttttt aaaaaacctg attgggnaaa ttcctngttt tggaaanttg   780
gaaattggtt ggaaccancc tgggaaggtg ggaaggggaa gaaaatgcca atgggggttt   840
tggccattgg ttnta                                                    855
```

```
<210> 3707
<211> 778
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 3707
gnnnnttnna aannnccngg nttcnngnng cccttgtttg nccnananaa acncnntgna    60
ancnccggct cgcttctcct cttccattgc gatttgcctt ctttatccag ncttnnggaa   120
tgctgatttn aaatgtnnnt ggcacaaggc aggcgtgaaa acataaagtt aataaaaatc   180
gaatgcataa gctagagcag attatccaca gattcttcca tctccatata gattatcacc   240
attgcctgca cctgttttcc ttctccagcc tatctgatgg aatggtgctt ccatgacatg   300
tggtatttgg aaggctctta gctctgatgt aatcagggtt tgacccatag tcacctgaaa   360
tagnncttct ggnnctcttt ggtctatgaa ctgaagggtc tcagaagccc gtgttatgca   420
aatacccttc catccccttc cctctcccct tgcctctatc catgttccct cagcctcagg   480
gtgcttgcag gctaagagga ttgggnctct ggcatcctgg agctgaacag ctcgngtcag   540
gaattcccca ggcccttgag nctctggggt gagttgnagg ggtgtgtagg gngctgggga   600
ttaaganctg ctgagtaggg gcttaccaga ggtatactga aggacctgaa gacagatcat   660
cttcacataa tcagcatgac cataatctgg gatggcactg agcttctttn antcnggagn   720
caaggaatgn gcncaagnaa ngcaaantaa tnccttttaa gcccgaggat nagggaan     778
```

```
<210> 3708
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 3708
ttnnaannnc cnnntttcaa atngcnaggc tactngttct ttttgcagga tcccatcgat    60
tcgagtgatt aagtctcact aggaataggc ttttctaaat tgntttatct catcctcatt   120
agaacttcac cacatgtggg aaatcatgtg gcaaaactgt ctctcttaaa aaaaaagtca   180
ccaaggaaac ctccttctgc aatttaagaa ataaaatccc agtgacattg atttggatgc   240
tccaaacatg tccataatgg aagagctttt ccaggttttg gtttgggccc cccagaccaa   300
agctttgaca cataatacaa gctctgtaag tctgttttcc tgtctgtaat ttgggattgt   360
catctttgta gggtgtcatg gagattaagt tattcactgt agacaatgcc cctttcatgt   420
aatagattct gtcagtatta gatctttttc tttctcttca agtttcaaac atagattagg   480
caaaatttta atggctattt cacaaaatca gcttgattct tgtttatgac atcaagtgtt   540
gttttttccag gttgtctgtt aaagggctac ttttttttttt ctaaaagtgc ttttanaaat   600
tccagtgtta gtatgtatgc atcatttaag ctaagaatga agatntaaag atcacccaac   660
agtttaaagc tggattcttt tancaggtca aaggagaatt gngntttgnc tagctgnctt   720
anccgtgtcg gacttcttgg actcaagtga tcccacctgn ccttaanctc ccaaagtgcc   780
nggaggtt                                                            788
```

```
<210> 3709
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<222> (1)...(750)
<223> n = A,T,C or G

<400> 3709
```
gnncngcctt nagttccnca ngcgnactct ttgnacganc ttatgaacag atatggaggc    60
cagagctcat ttgggtaaac ttactcctgc tgagttagca ttttggtgag agaagctccc   120
ctgagctcac ctgtctctct gactgccttg gagtaggtgg cataaccttg tgcacagaga   180
actagaaaag gggcagaacc ccggccttgc agttgtggca ggtttccact gtggtaagct   240
aggttcattc ctcatcaagg aatgtgtagc agattgttca ctgtggagga gttaattata   300
gaatgggtta ttgttgttat tcttactcat gaagttacag attttagcca gtctttgctt   360
ttatactttt gtgaaattta atttctctct atagcacctt cctttttcgt tttcagttat   420
caaaagtgac tttgacctca taaaagagtt gagaacatct ctcgtgtcac atactgcagg   480
tgcatcagtt acttttgcac agattctagg gggacatttt tctgaatagg aagacaggac   540
aaagttaaca gcttaagggc tcttaattct gtgagttgag gacttaaaaa gtattgnagc   600
atttggttgg atccatgaaa aaatgtattc agtgggcttt taaaatttcc atttgcagaa   660
tttggnctct cangctgttt ggggagctct ttttttttacc attttttctc ctttgcacct   720
atttnatggn ggttaaagta aanggtnact                                    750
```

<210> 3710
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(895)
<223> n = A,T,C or G

<400> 3710
```
aanagcnnnt cnaatngcta ggttntcgct ctttttgcgg atccctcgat tcgaattcgg    60
cacgagatta ttataagact aacattctga taagccatgg tataattaac attattaaaa   120
tgtttacata taatccttct taaagtatac tcttttaaaa atccattggc ataaccttac   180
ttttagttta gtgatccaga atttccccag agcttaagcc actgcagtaa attaggtacc   240
gtaggatatt cagtcgctac tagccacaag gagtctcctt attttaatgt acctccctca   300
gtactttatt cctgcagagc gcctcagagt ggggagaga aatgagcaat cctggctcan    360
ntggattatt tcagcatttt attttctaaa atctgtagtg tgatcccgaa aatatttaaa   420
attaaaaaaa atacttttac cagaagagag gcctacctaa tcaatgngct ttagagaaac   480
naaactaccc tttaccattc aatttaacaa ccnanaaaaa ggtttacccg aaatttttaac  540
aaaacatttt ttctttatct gaattntggg gaggaaaata cttaatgctg acaccgttta   600
ataaatttag gaaaaaggat ccattcccag gaatctttat gggaaaaaat tgggggtttt   660
naaatttcca agccaggttt ggctctttgg aagaacatng ggtaantcct cnttaaatgg   720
taaacttnct taaaagggan naggggtagg aattnggaaa aagggaatct ttgggnattn   780
ttacccntta aattaatggg tcccaggaat ngggggtttca agggattntt ncanaaatta  840
aaaattnggg ttttttgggtt gggaaaaaaa tggaaatacc ctttttttngg ggggg        895
```

<210> 3711
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 3711

1111

```
naatngctag  gttnanacgc  tnggctctng  ttcttttttgc  agggatccca  tcgattcggt    60
cgtgactcct  gtacaaggga  aaataggctt  ggagaagatt  ggtgtcaaaa  ttaatgagaa   120
gagtggaaaa  atacctgtaa  atgatgtgga  acagaccaat  gtgccatatg  tctatgctgt   180
tggtgatatt  ttggaggata  agccagagct  cactcctgtc  gccatacagt  caggcaagct   240
gctagctcag  agactttttg  gggcctcttt  agaaaagata  tatcatactt  tgttctggcc   300
tcttgaatgg  acagtagctg  gcagagagaa  caacacttgt  tacgcaaaga  taatctgcaa   360
taaattcgac  catgatcggg  tgataggatt  tcatattctt  nggaccaaac  gccggtgang   420
ttacccaagg  atttgcagct  gcaatgaaat  gtgggctcac  aaaacagcta  cttgatgaca   480
ccattggaat  tcaccccaca  tgtggggagg  tgttcacgac  tttggaaatc  acaaagtcgt   540
caggactaga  catcactcag  aaaggctgct  gaggctagcc  tgctgctggt  taagttctnc   600
ttgncatatt  ctcatttctc  tcaaagataa  gaatgctctc  ggatnaaatg  agcctgtgct   660
catgacanct  gctctggtac  ttanggacca  ntgcaaggct  tncttaccac  acttagatga   720
gaaagttnnc  aanggaaaaa  ggncaccaat  ngggcatttt  gcctt                     765
```

```
        <210>  3712
        <211>  807
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(807)
        <223>  n = A,T,C or G

        <400>  3712
agnnctttct  tacgcctnnt  gaacttnttg  naantccntt  tttgcaggac  ccatcgattc    60
gaattcggca  cgaggaaagg  acccatgatg  taaggatgtc  tttttttgggg  ggtgcttgtg   120
gctccttaac  tggctctgga  aagagcctac  ttcccatagt  gaaccctgtg  aggtccaatt   180
ctgttcctcc  ccttggagct  ccaagagaag  gtcattgcct  tgtagcagca  ggtgcccccc   240
caagctgggt  tctcactgca  ggtgccagcg  ggctctcagt  aggtatgacc  tggatgtgag   300
tggtgaacca  ggattgaggc  actcagcacc  ttcgaccaca  cttccactct  ccctggggtt   360
caagtcaggc  tatggaaaag  tgtcaccctg  tttgncatat  aactggatgg  gtngtaaaca   420
gaacgcctct  ggcaaaggtn  gaccttgaag  gcaaaactga  gttgagggtt  gttaggacgg   480
aaataattac  tgctgggcat  gcaacacttc  ccaaccgttc  ttgtgangca  agcantgtta   540
ttgncagttt  ggcacaangg  cacangtgta  nnaacaacgt  aagtgccctg  gggcccgtgc   600
ttacaccacc  cactgnggtt  tgaacttana  atgtgaaccc  aaggccctttt  ttgaattccc   660
aaantccctc  aatcccttca  atcctaaaca  agcnttgcct  gccgggttan  ccaaaaaagg   720
gggacctccn  ggnaatntng  ctcttggcan  ntttntttaa  anctggatnt  attaatgggg   780
aaaaccanan  ntanaantnt  ttggtnt                                          807
```

```
        <210>  3713
        <211>  909
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(909)
        <223>  n = A,T,C or G

        <400>  3713
ttgcnaatcg  ctaggctctc  gttctttttg  caggatccct  cgattcgttt  tttactatgt    60
accataatgt  cccattcatg  agaacctagc  aagtagtttt  tctcattagc  gaatgctaga   120
attttatttt  ttttcacata  gtgaaaaggt  gaaattggtc  tgtcttcctc  tttactttag   180
ctgctagtaa  ggttgaaaca  acgatggtgc  ccaaatttaa  cagttaggtg  acatcttctt   240
ctacgtgtgc  taagattacc  cagacttcac  tttacccctta  tttcccactg  actttgatcc   300
```

```
ctttttacttg nttttattct gnaagtatgt attttttgnca tctttcagna ctctttggna      360
tcnnaataaa attaaattcc cctagncttt aaanangata atngggtnnc ttggnttaaa      420
nattaaaaat naaaagtnat ttngggcttt natataataa ttaagccant aagnnatttt      480
tnggcnaaan tccttttctt gccanaaggg ggcccagaac gggnttaaat attttttaag      540
ggtggtttnc caagggccaa ggtggaatcc tcttgggttg gcaaacttaa ccttcaagcc      600
ttcttggccg gttccgttaa antggangga aaaaggccag gcccttnng gacccaatgg      660
gccatttaaa ggcccaaaat gggggggttng ttggaacttg gggggttttc ccaanttaaa      720
aaacctttttt aatttttttnc naaaaaancc aatggggcttt accattttgg acttttttnng      780
tggttngtaa ttttggcctt acccccccaa aaanaaanaa anannnnnct tcctatattn      840
actnnnanac tttcantnan caaaaaaaaa cntgggccct tttanaactt tngngggncc      900
tntncctan                                                              909
```

```
        <210> 3714
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3714
aaatnnnagc tacttgttct ttttgcagga tccctcgatt cgaattcggc acgaggagcc       60
atggcagaaa atcagtgatg tcattgagga ctctgtagtt gaagattata attcagtgga      120
taaaactacc acagtttctg tgagccagca gccagtctcg gctccagtgc ccatcgctgc      180
ccatgcttct gttgctgggc acctctctac atccaccacc gttagtagca gcggggcaca      240
gaacagcgac agtacaaaga agactcttgt cacactaatt gccaacaaca atgctggcaa      300
tcctttggtc cagcaaggtg gacagccact catcctgacc cagaatccag ccccaggtct      360
gggcacaatg gttactcaac cagtattgag gcctgttcag gtcatgcaga atgccaatca      420
tgtgactagt tcccctgtgg cctcacaacc aatatttatc actacgcagg gatttcctgt      480
aaggaatgtc cggcctgtac aaaatgcaat gaatcaggtt gggattgtgc tgaacgtaca      540
gcaaggccaa acggttagac caattacact agttncagcc ccangtaccc agtttgttaa      600
acccgacagt tggagttnca caagtgttct tccagatgac ccctgtgang ccaggcttca      660
caatgcctgt ganggccacc accaaacacc ttnaccaccg tcattcccgg cactnttacc      720
attcgnaagc aaccgtccca aagtcccagt ct                                    752
```

```
        <210> 3715
        <211> 960
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(960)
        <223> n = A,T,C or G

        <400> 3715
tttcaaatcg ctnggctact cgttcttttt gcaggatccc tcgattcgaa ttcggcacga       60
ggtctcgagt ttgttgtttt ttgtaatccg ttttagagtg aattaaactc agacatccct      120
ggattgtatg ctgtctgtag aatgttgatt ttcaggcacg gggatgtagc tgtagaatgt      180
ggcttggtca ttcttcctga taagaaattg atctcctgaa tggattggcc atttggtaat      240
ttcttagtga aaggctgact cttgaatatg gctggtataa tataaattct taccaacata      300
aaagtaaggg cttatttggg gcttgggtaa aactgtcatg ccttgganga tatatagctt      360
ataaaattgg cttaaccntg nattttatga cctanctnnc ccctgntgcc aacntttnac      420
ttgccaaaaa ncctgggatt cntgtttncc aagggnngac cttattattt gtggaagaaa      480
```

1113

```
aatttggatt nnccaaggtt aacctatttt tcaanggctt cttggctttt tgnaattttt    540
cttcaatttc accatggccn tcctttttat tcctnttttt tnccccttcc caaangggt     600
tccnggggaa tttancctgg tttcccggga aagnaaanga angggatttn ttccaccant    660
taaggccanc cccaaatttt tttaccccac ctttccaaaa accccanggg aagccttacc    720
ttacctgggn gggtnaaaaa ttangggggt taaccacccc ccaanatttg ggaaaaatcc    780
tttttggcca aaaaagggtt ccngggttcc taatttcaaa ccggaaacca gngnacttnt    840
ttagccnaaa aaaggaaagg aatccgtttc cccattattt gggaaccgcc ccccatttta    900
aaatttnccc agnggttttc ctttaaatgg gaacctttgc caaaagggaa atatttggcc    960
```

        <210> 3716
        <211> 769
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(769)
        <223> n = A,T,C or G

        <400> 3716
```
ttnaaanccc nnttncnaat cnncagctac ttgttctttt tgcagggatc ccatcgattc     60
gcaaagcttg atctattaat atattgatca gagttccatg atccttttct aaaatggtgg    120
ctttattttg ccagaataat tctgcagggt gtttttttttg ggacggagtc tcactctgtt   180
gcccaggata gaatgcagag tggcacaatc ttggctcact gcagctcttg cctcccagtt    240
tcaggagaat tgtgtgaacc tggaaggcgg aggttgcagt gagccgagat caatcaccac    300
tgcacttcac ctgagcaaca gggcaagact tcatcttaaa aaaatttttt ttggatttat    360
atttactgan aaggtctgtt actaaagggt ttaanatttg gntgggtttn accgctaaat    420
gtttgtanag tctgaatctn tggcctnggn aaagaataat tacangcntt caccaagttg    480
tgaaaccttc tgggttngga tgaaaagaaa ctttcaagct nagaggaana atgttctgaa    540
atatttgggg aagtttggca gactcctttc tcaaggggta tgttcatttg ggccngtgat    600
tctggaaccc cctttgcaga tatcttaagt gtgtcataaa agtttaccaa gaacattgtg    660
agtanttgca attaccaaag ggaaccaatg ttcatatac ttttccattat ccggtctcaa    720
gnattcttnc ngagatnctt taccctgtgt aaagtgaatc ncttcntct                769
```

        <210> 3717
        <211> 756
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = A,T,C or G

        <400> 3717
```
naatcgctag gctactcgtt ctttttgcag ggatccctcg attcgcagag ctggggcatg     60
gcatgtctca ggaagccatg cttgtcacag aggaatcact ccgaggctaa aggaacatct    120
gggcaatcct acttgtgtac tcattggatt cattcagtga ccttgttatt atccttctag    180
ctaaatgctc tgggtcttaa ttcacgactc caaggttgct cttgattttа aggaacattt    240
tggcagaata gagagaagtt gagcaaatat taacagatgt ccaaaggggc agtgtgattt    300
attatgtcaa gagaatcagt tttatgtcga gggaagaatt ttggtagaaa tcactgtatt    360
ttttggaaaa tatcatattt gggttttttc attgnataag taatacatgg atacatgctt    420
atataaagaa aaattcataa tatagaaaca taaggaggaa aaatgagtca ttttttctccc   480
atagttcact ccttttcccct cccttttcagt aaccagtgct acacgggtgt gtctttccag   540
acgttaaaag cagtcataca tatctctaaa gggaaagttt gcgtttgctt gntnttttctt   600
cctgnattaa taggatttgg gtatatatat acncaccccg taatatattt tggatctgga    660
```

```
tatntaggag catatttctg gggtgcgctt tttaaaattt tatggccaaa tcctacagct    720
tcttcatgtn acttgcttat tngatgtttc cncant                            756
```

```
        <210> 3718
        <211> 766
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(766)
        <223> n = A,T,C or G

        <400> 3718
ttcnaatngc ttgctctcgt tcttttttgca ggatccctcg attcgaattc ggcacgagcc    60
cgaaagtgac ttagagagtg actcccagga cgaaagtgag gaggaggagg agggagacgt    120
agaaaaggaa aagaaggcgc aggaagcaga agcgcagagc gaggacgacg acgaggatac    180
agaagaggaa caggggggaag aaaaggaaaa gggagcgcag gagaaaagga gggggaagag    240
agtccgtttt gcagaagatg aagaaaagag tgaaaattcc tcggaggacg gtgacataac    300
ggataagagt ctttgtggaa gtggtgaaaa gtacatccca cctcatgtga ggcaagctga    360
ggagacagtg gacttcaaga aaaaggaaga actanaaagg ctgaanaaac atgtaaaagg    420
tctacttaac aggttgagtg aacccaacat ggcttccatc agtgggcagc tggaggaact    480
gtacatggcc cacagcagaa aggacatgaa tgacaccctg acctccgctc tcatgggtgc    540
ctgcgttcac tgcctcggcc atgcccaaca gactgatgat ggagcatgtt ctcttagtca    600
gcatccttna ccacacagtt tggaatcgag gtcngtgccc actttcttgg aggcattggt    660
gaggaaagtt cgatgccnnt cttttnaata ccggaagcca aagggaaang anttgtnaca    720
acctgttcac cgtcattggc cattttatac aacttcccgt ggtnct              766
```

```
        <210> 3719
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 3719
ttncnaatcg ctaggctctc gttctttttg cagggatccc atcgattcga attcggcacg    60
agggacaaac catctccaga gccttaatcg catctgtaaa gtcccttta ccatgtaaat    120
taatattcat agtttctgaa gatcaggatc tggatttctt ttggggcaat tattcagcta    180
accacatatt ataatgagga agcacttctt gggaggcatc ataatgcttg ttttttcttt    240
tcctaaatag agtatcactt ttacccaaat ggaataactc gctgggttat tttactgagc    300
tcttgatgct catttctttg gtcttctctg tgatgaatta atgtttctat atggacatca    360
tgcacaattt ctttattcct gaagaatatt ttaaaatgnt gttattttat gttgtagttg    420
gtgtaatacg gtgcccagta tgcccgccaa gaatgcagac agatagacct tgtggataat    480
tattttgtga aagacacatc tgaagctcct agcagttctg atgaaaaatc agaacaggta    540
tgcttctcaa tttttctta tattcctatc ttgatatcaa actgtaagta taagaaaaac    600
atgtttggat agttaagtca tttaaggtgg ttctgctatg gattcctggt tcaaatagaa    660
agttaaagat agctttctta tatactctca aacttagttn aatgagacta aagctattac    720
ttaaaatgtc aaaatttggg ccagcattgg gggct                          755
```

```
        <210> 3720
        <211> 753
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 3720
```
ttncnaatnc taggctactn gttctttttg caggatccca tcgattcggt cggtgttaca    60
cacattcaca cttgcaggcg tgcaggtcgg tggtgttaca cacattcaca ctgttgcagg   120
cgtgcaggtc ccgtggtgtt acacacatgc tgttgcaggc gtgcaggtcg gtggtgttac   180
attcacactg ttgcaggtgt gcaggttggt gttacacaca ttcacactgt tgcaggcttg   240
caggtcggtg gtgttacaca cattcacact tgcaggcgtg caggtcagtg gtgttacaca   300
cattcatgct gttgcaggca tgcaggtcgg tagtgttaca cattcatgct gttgcaggcg   360
tgcaggtcgg tggtgttgca cattcatgct gttgcaggca tgcaggtcgg tggtgttaca   420
ttcacgctgt tgcaggagta caggtcagtg gtgttacaca cattcatgct gntgtgcagc   480
tatcacttcc atcttcagag cccttcatc ttaaaactga agctctccat cacacaagtg    540
acccttcatg tnccttccca gtccctgaaa aacactgttc aaggttttc ttcctgggac    600
ctcattgtgt ggagtttctc gtgtganttg cagtnacaca cgattggcct ttttttttc    660
gttgttgaga caaatcttat tctgccttca atctgggggtg tcanaatgag accccatntn   720
aaaaaaaaaa aaaaaaaaaa aacttgagcc ttt                                 753
```

<210> 3721
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 3721
```
ttccaaatcg cnaggctact cgttcttttt gcagggatcc catcgattcg aattcggcac    60
gaggcaggtc ccctcccaca tctaatccac cactaaggcc tgcttcttaa tagctcttgt   120
tcggctttgg ttgagacagg gttttgctct gccgcctagg ctggagtgca gtggcgtgat   180
cactgcagcc tccaactcct gggatcaagc agtcctcctg ccttggcctt ccaaagtgct   240
gggattacag gcgtgagcca ctgtgcctag cctgaatagc tcttaaatct atccactttt   300
cttcctctgc acacctgaca ccctagtcct gctgccctct tctccacctg gacaacctcg   360
cccacccca agttggtttc ccctcatcta ctcttgcttc ctttcagtct atcttctgtc     420
ctgaggtcag aataatttgt taaaaatata aatggggtca agaatgagtt ggggatggag   480
ctganctaga gatgggttgg gttggggttg ggacttggat aangcatgga attggggttc   540
aactgatgta aaagntaaga ataggattgg gatgatgatg aaggttgaac tggggatggc   600
ttgggggttg ggggatgggc aanggcttgc ctactnacca naatttgccc tggttgcaca   660
aagttttaac ccacacccaa cctncgntaa nggctggggg aacnttnaag ccantccgaa   720
tagcttaang ggccctgttg ggcntttctt gaangggggta ccagtttttt ttcct        775
```

<210> 3722
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

1116

<400> 3722

```
cngnnnctng ttcttttttgc aggatccctc gattcgtttt tttttagaac gtggtcttgt    60
ctctatcctc tggacactgc agcgtacgag taacaacagg tcttgcaggc taaataactt   120
ataaacaaaa tttccttcct gaggagctag gtattccgat gtatcttcaa catagtcctg   180
aagttcatat ggcaatcgtc cttttggctt ctgaaatgca gaaggccatc cagatttcgg   240
ccaactagag gagtctgaag gaccagacaa ttgctcagaa acagaaggct gtttagaatt   300
ttctaaattc attaagggca attctggtac ttttctggaa attggcttta agagctcatc   360
ctgcattttt aaaatctctc caactggatc aaatttttta tatactcgtt tgataggttt   420
ttttaaaaca catgactctt caggactaca agcagtatta gtctggtttc ctacagaagc   480
ctgtcctgag gaagaatttg gactagctgg tctggaactt aagttagaac ccacaacagc   540
tgtctttcca tcactattat ttttacattc tgnatcaatg attaaacact cctcatctgt   600
atcactgctg cagagaactg tatcttcagt ttttgctgct tctgatccaa cagtctttttc  660
ctttgagttg gctanggttt ctagaacatt aggnctttca ccatcagcat gtaatatatc   720
tatagncata tcattttatt agaagttcaa tttcttgaaa t                        761
```

<210> 3723
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 3723

```
ttgcaaannc cctgtttcna atnncnaggc tactcgttct ttttgcaggg atcccatcga    60
ttcgtctaaa ttcatggntt atatttatat atgtccttaa tcctcactca cattggccct   120
acaggtagat tcattgctca ctgtcagttc tcttgctgaa gttttcctat ttttctcttg   180
atttgctgaa attccttctc cagtagttta atcaaaaggg actaaatgaa aaaaaaaata   240
ttcagttgtt gcaagttcaa aaaggttttt agtctttgtg tttgattgac agcttccag    300
catataaaat tcttaggcca cactttcttt ccttgagaac ttcacagatg tcacttctgg   360
ctctagagtt aaatgcccct gtgggaaaaa cttgagctaa cttctatttt ggtacccttt   420
atgaattgat gntttcactt gactgnccaa agtctttttt atttaactgg ttcccccttt   480
cttttatatt ttaagtctag ttacttttca tagaaattac ccttggtatt gacagatttt   540
tgncattttt ccccaaagac atggtgtgcc ctttcagttc gtagatttat cttctttttac  600
ttcaagaaaa ttttcttgga atgatatctt taaatattta tgttcccta tttgagtttt    660
ctattctggg gatatatgat gggtcccttg naganctntc aaatctgnaa tttctctgna   720
atctctttac accggtcatt tcaatttcct ttgctcactt tcctcatctt ggtctcaggg   780
```

<210> 3724
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

<400> 3724

```
gtgnntnnnn nntttnnncn aaggaactct ttgcnanttn ccctttttgc aggatcccat    60
cgattcgaat tcggcacgag cctagttaaa tcacaacaag ttagtaatnn ataaatgatg   120
tgtcctgttt ctctttagta gaaattatat ttttggctac cagttaagaa acttgtctcc   180
tttgtccctt atgttactat aaactcaaga tgatgagttt gtggtatttt gacttcatag   240
gcaaaatcaa aattttttact ttgttgctat tctgtttttat gaaataaact tctgtctatg   300
```

```
catttgaact aagtttcagc aaattcaatc taaattgaat aattccagct cccagtttta    360
tcctatgttg ctcataaaac agttccaagt atactgcatt atcttgagat ttgaagatat    420
ggtgcccacg gggattatac taggcaaatg cgttaagcag ctctggccta ggtgttgtgt    480
attttaagag actctatctt aggagagctt aagtgattgg gctgcaggaa gaagacattg    540
taacccagga attaaaaatg gattcagatt gcctgatttt aacactttag tttcaccata    600
ggctaattat gtgacattgg gcaagagaca taattcttct gtccttagtt ctacatttgg    660
aaaatagaga tgatttggga acttattaat aagattttg tgagagataa ataaacaaat    720
nctttgnaa aaaaaaaaa aaaaactcga gccttagaac tntgnggg    768
```

```
<210> 3725
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 3725
gtncnatnng tgntantnng cgncttggcc taaananata ggntngggcg tgattctgga    60
acagagtgca caccaggaga atctaagaat ttgggtcaaa aagaaaatgg caattacatc    120
atgtgctcta ctatattttc ctgtgtattc aaaagtatct ttttgaaaat ggaagggtag    180
atgacatttt ctccgatctt tattatgttc ggttcacgga gtggctacat gaagttctga    240
aggatgttca gccccgggtc actccacttg gctatgtctt gcccagccac gtgactgagg    300
agatgctatg ggagtgcaag cagcttgggg ctcactcccc ctccaccttg ctgaccaccc    360
tcatgttctt taataccaag taagtgttct agaggctcca ctgctggcat ctgtccagtg    420
aagagtgtgg aagctatcca agaggccttc tgaattcctc tgacatatat ttgagaaagg    480
gcttggactg tgaaaagaaa tgtggcccct ttccatcttc aagagagatg gaattaatga    540
tggatggacc ctggagggaa tctccccagc ccgactttca ctgggctgac agactttgct    600
gaccacaggg gaacnatgtt cntttctttt cttcatgatc agacntaaac ctagcntcnt    660
taatggaaga aaaatgaagg gggaacttca attatgantt attcaacgac caantttnta    720
ttacnccct ccttttatga ccaagntgac catttnnnat gttanngtta aaaaacctt    780
cccttgccct tnt    793
```

```
<210> 3726
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 3726
gnnnnttnnn nnnnnnnnnt tttnannata cagctcttgt tcttttgca ggatcccatc    60
gattcgctga caagtctgaa atacatattg gagcctggta gactgaaaac tcaagcaaga    120
gttgatgtta aagtcttcag tctgaaattt gtagggcagg agattaggct ggaaactcag    180
gcagaatttc tgtgttacaa tcttgaggca taattcttct ccaaaaaaat ctccattttt    240
ttctcttaaa gccttggatg agccttggat gattggatga ggactaccca cattatctag    300
ggtaatctcc tttgcttaaa gtaaactcac tgtgttaatc acatcaacaa aataccttca    360
cagctacatg tagtgtttga ccaaacaact aggcaccata gcctagccac ataaaattac    420
tatcattata ctttttctta tcacatactt ctaccttgga agggatattt cccagttggt    480
atagctacaa aacagaggca gatcatttag cctgcatttg atttgtagtg aaaaataagc    540
ctttggtgtg tttaaccact gaaatgttgc ggtttattag tatagcacaa cttatcctat    600
```

1118

```
actggccaac atagatgctt tcggttgcaa gtaacagatc cccttacagt ttacaaaaaa    660
aaaaaaaaaa actcgagcct tagactatag nagtcgattc gtagatccag acatgataga    720
tcatgatgag tttggacaac cacacttgat gcagtgaaaa                          760
```

```
<210> 3727
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(780)
<223> n = A,T,C or G

<400> 3727
```

```
aaacgcttgg nnnnncnnnn nccttttttng gatacagntt ctangacaan agctacttgt    60
tcttttttgca ggatcccatc gattcgaatt cggcacgaga cttttttaac gaatgggggga  120
agggatctat gagaaaggtg gtatctaatt tttttatgga ccataaaggt ttaaaagaaa    180
ataggggcac aggctgttga ggtttttatg ttgttataga ccttttttaaa ttatgttaga   240
gatgtntata ggnatttaaa ggtcactggg agcgtttctg attcccggcc acactttgca    300
tttcaacact cagcccggaa agatgctcgt tcggntgttg gacctctttc actccctgcg     360
tgtaagaagg tgaatcacgt gggaaaaagt gatccttagc aacgtgccag gacacttcct     420
gtgtgcctgc agttgtcang gaccatttgg gatcccgaat ctcattctct aaaactgctt     480
tcttgaaaca tgttacttcc ttagtataat caatgtatac tcccttactg gcctgaaacg     540
ttgtatagct acttattcag atactgaaga ccaacggact gaanaaaaga acaaacatta     600
gctattttat gctgcaagaa ccaggacaca caattcgcca atcatcccac catataacct     660
tcgattgggng cttctcaact ccaccccata atttcttcca gagaccatct atcancttt     720
ccccaaagaa gaaacaaaac cngttgcacc ttaaaccatg gatattttt cctcangggc      780
```

```
<210> 3728
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G


<400> 3728
```

```
tnggcnnnnn gnnngnnnnt ttnnntatac agtacngaag ctctttgnaa tnncncttt     60
tgcaggatcc catcgattcg aattcggcac gagatatgct gaggtcctgg cctccagtac    120
nttagaatgt gactgtattt ggagatggag atacagcctt caaagaggtg agtaagttaa    180
actgaggttg ttaagatggg cccgcaacca atctcaccgg catccttaga agaaaaggag    240
ttggagacac agagagagag gctagacaca ggcacacgtg aagggacggt caggggaagc    300
ggcagcgaga gggtgctgtc tacagccaca gagaggcccc tgaggagacc aacgctgccg    360
gcaccatgat actggactga cttaccgnct ccagaactgt cgaaaagaca tttctgttgn    420
ttaacaaaat agcagtctgt agtacttcgt tctggcagcc caagcagact aatgtatagg    480
gcattagatt gggcgtaagt aaaatataaa ggaacttaag tattgaatag tgcaggtgct    540
gtgaggaggg atacattgng ttntgntatt ggtcatacag agctagctgn tacctgaggc    600
ttcacaatgt aggntctact ctaatgctgc tgcttaaaaa accccaggcc gggcatgggg    660
tggctcacgc ctgtaatccc agcactttag gaagccgang cgggcggatc acgaggtcan    720
ganggcnaga tcaacctggc caacatgggng aaaccctgtc tntactnaaa anac          774
```

```
<210> 3729
<211> 779
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 3729
taatgcttgg nnnnnnnnnn gnnnttnaaa cnnagtttca aatcgctngg ctatcgcctt    60
tctgcagatc ccatcgattc gcgaggccag ttccaggccc acttttgcc ctgtgagccc   120
cctgcattnc tggnttntcc ttttncaggc tgctnctcng tggagcttct ctatttnacn   180
tctactactg tatccatgnc tntagnnggn cctntcagtg atgtngctta tntccccaat   240
gacactgatg ggagctnctt aagaacangc tgtntacgga caaggatgtg aagtggtaca   300
agggaaaagt angccgntta ggacctgtgg gtgtgtcatg actgtgcttg tatctcttgn   360
tagctttgtg gccttaggtt caatgctgac cctttctgag gctcaagttt ccttatcttt   420
aaaataggta ttaaaggaag taatccggtc catacctgag cctgggtatg ccctcctccc   480
ggacgttcct gttttctgat cgtcttcagc acagacatga gtaaagtgac aatgaccagt   540
cctgtgactt actgagggca aggtgttcca attcagattg tatactgata attacacagg   600
gaaataagag aaganacaag ttanaagcct gnagattata gatgttttg aagaatacat   660
tnttttgcat taataaatgt gaccagtttt taaaaagttt tcagtattag aggaaatagc   720
cacccccata ctacttctac tactgcaatt actatttagc aatttttatt ntttctttn    779

<210> 3730
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 3730
gnntttnnat nccccncttg caaancntng gctacttgtt cttttgcag gacccatcga    60
ttcgaattcg gcacgagccg dacagagagc gcaggagccg cggtaccccg gcttcgtgct   120
ggggctggat gtgnggcagt tctgtgatcc gctgccacgt ctatgaccgg gcggcgcngg   180
gtctgcgggt tccagcgtgc anaaggtaga aaatctttat cctcaaattg gctgggtaga   240
aattgatcct gatgttcttt ggattcaatt tgttgccgta ataaaagaag cagtcaaagc   300
tgcaggaata cagatgaatc aaattgttgg tcttggcatt tcaacacaga gagcaacttt   360
tattacgtgg aacaagaaaa caggaaatca ttttcacaac tttataagtt ggcaagactt   420
aagagctgtt gaacttgtaa aatcttggaa taattctctt cttatgaagt agagacaggg   480
tttcatcatg ttggtcaggt tggtcttgaa ctcctagcct cacgtgatcc gccacctcag   540
cctccaaaat gctggtatta caggttcatg catccaggag catatgcaag atactgaaca   600
gttccgcact acaaagatct cttgngttgg tcttctgtaa ctatatctac cactctncta   660
tacacctcct accctctctc attcctagct cctggcaacc actaatctgt cctccattta   720
aaaaatgttc taatttgaaa aatgtatatt catagga                           757

<210> 3731
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(798)
```

1120

<223> n = A,T,C or G

<400> 3731
```
ggnnnttnna ttcccccct ttgcaaatcn ataggctact ngttctttt gcaggaatcc     60
catcgattcg tgtacatgtt ccagtgggat gggaagcagc agagaccaac agagtctgaa    120
gaagcaagct tctgagttat gaaagcctgg gttcaggaga ctaacctata tgtaggttcc    180
taggaaagtc cagttaaagg gcctactttg ccactgctgc ctccttctta atgctgaacc    240
tcatctccca caagggggca gtctcagcag gtgtcagctg agccatgtgt catctgtcca    300
ggctaactgc ccacacatcc ttctgcaaag ggtacctctt ggttatcagt gctcactgat    360
ccctatataa tcagactcta atccctgtaa aaagattact tggtgctagc caagctagca    420
cctttgggtc ttcccaaaca tacaccacta atccagactc taataacttc atttccttta    480
aattacaaga tcagagctga aataggcctt agaaagctag tctgggctgg gcgcaatggc    540
tcaagggagg cggaggttgc agtgagccaa agactgcgcc actgcactcc agcctgggca    600
acagagcang acttcatctt gcaaaaaaat aaattanatn aattaaaaat ntgaacctat    660
atgggattta acctcttctt ctcaattaaa agttattta aaaaaaatgg caaaaaaana    720
nnanngnnaa naaaaaaaaa cttcngaccc ttttnaaact nttangnggg gtccnnattt    780
accggtagaa tccnagnn                                                 798
```

<210> 3732
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 3732
```
ggnnntttna anncntnnt tgcaaatcgc naggctactc gttctttntg caggatccca     60
tcgattcgaa ttcggcacga gnaatcaata ttttcaata gaagtattag aggttttttt    120
tattgatata aaaataacaa ttacagatcc tgatatatag aagttattca aaattataca    180
gttttcaaaa aatcaagaca agtaggccca atacaaacta ctgaatcatc ttctaatttc    240
cctctaaaat atttatagaa atatgtaagt agaaaaacat tcatcctttc ctcgtctaat    300
tatgatcctg ccatattcca ggcacaagag aaagctctgg ggcttgagtc ttaatagggc    360
tgatagtcca accagggac agggtatcat aaagagataa ttcaaaactt taagattgga    420
gggtaggtga tggtagaaaa ttctgcggca aacatttgtt gatgctcatc atttgttgat    480
gtcatcaaag atcaccaggg cataattata atcaaaatta gtttattga tgcttgctgc    540
agcaagagag actgcacacc actggggtct atgggtgctt ctcagtggga aggtgtaagg    600
aggggcttgc taagaatttg agcacatgta gctaatttta aggagggctc aagtgagcca    660
agggtttctt ctggattgag tgctgtccag aaagtggatt gagtgctgca gaaagtggga    720
gtgattttgc actgggganc ttaatttta tgttgtgggt gggang        766
```

<210> 3733
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(737)
<223> n = A,T,C or G

<400> 3733
```
aaatcnncag ctacttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggga     60
aaactgctaa attaaaatac tacattttac ggaaactgtg gagctgcctc cttgatagaa    120
```

1121

```
tgttaggtct gtttttgttg tcttctgcct atgtctcttg acttgtagtt tcttttgttt    180
caaatcactc tgccctcgta tatactttgg ttagactact tttggtgaag cactctccaa    240
tagaagaaca taatgtggtg tcaattgtgt agggatcgcc caagcgttgt ctagcatttc    300
tgctccccag cagaagccat tttatccagc cagagttgtc cttcacagtt ctagcatagt    360
ctaaactcat tttctcattg ttcatattct ttctctccca cccactctgt cttccctggc    420
aattcaagtt aaattccatc tctcttcttt gagttgctcc cctgaagtaa gatttctgtt    480
tcttctggca ttttacctct aaatttatca ataacatgtt tattctgctg ttcttaatgt    540
cgtgtgtgtg tgtgtgtgtg tgtgtgtgtg agtgatttta atcttctctt gaatttagaa    600
gatgagaatt tagtctttct ccttttcccca ttcctacatt actcctaaat tgaatcttta    660
atataaaatc atttatttta gtttccagtg tcatcataat tttacctttt ttctactcag    720
gactataatt cccagca                                                   737
```

        <210> 3734
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3734

```
aaatcnnnag gctactngtt ctttttgcag gatcccatcg attcgaattc ggcacgaggg     60
tnaatnntng tttganatca tgcccngatn ngacntcaag cnatnaagga actgcctnaa    120
tttgccactg gagaaaatct tcctcgagtg gcagatntac taacncagct tttgcnnacn    180
ggtaagggat attatnnnta ccttttnctc taaatatnta tcntctttct naaatgttga    240
ctctggattt aggttnnaaa tggggtgcag ganagctgga ggncctncct ctgatngaga    300
ntaaatcccc tactntcatt cagacgntaa agngaaatga ttnctggtta tctaatncct    360
ggngntgttt tggatntaat accctcntga aggngnaatg actanattct tntgggcatn    420
tnagatgtnt nntaattntt cncccnatnn nctgnagtat cataatcgna gcatcttaat    480
gaaagttttc aggcatgcca gatcnggatc tcaancttac aangaacacg tatctntgtg    540
ggcttgaggg aatggcttag ntgataagca tcctgtcaat gtaacctnga taaactnagt    600
agnntnacgt tgnnaaactg angcanntga tattcaaatn agnaacntat tcattgtgcc    660
nctntttctt tactccanat gactcttgca naattgaacc nagtggacaa cgccctatta    720
agggtgtccc ananggatgc caa                                           743
```

        <210> 3735
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3735

```
ananctacan gctacttgtt ctttttgcag gatcccatcg attcgaattc ggcacgaggc     60
tcagtgttgt aattccctat tctagcactc tcaaaagtac cccatctgtt acacatgcag    120
aaactgcagc agcatctgaa atgtccactt cttgattcat tctgaactcc cttaagccca    180
gtgtttgtta gttctcgttc aagtctagga actctgccga gtaacaggta tctcaatttt    240
gccatccttt ctttctgcat agacaggagt gttcttaaat cttctcctgt aaagcaagtc    300
atctctgatt tccctgagga tcattgctcc cgtatactgt tgttggggtg agccttctgg    360
tagaggggaa gagaatttgg tactagggtt gatagtcaag ttactaaggt tctttatcaa    420
catctcagag cagaagtttt gagaggcccc tgaatcgtcc tgggaatttt cttcagtgag    480
```

```
cattttttgaa gactgggacc agggttggat taaactttttg tgatgggtcc attgtgtctc      540
aacacaacac tgagcttctc ctggatcttt gaaacccagc agaaactgtt gctggactct      600
caaattgcca caaggtagac cagaaagagc ctgaaaaccc gaactccaac catctttttc      660
tttcctttttt aatgcagaca tggtgttgct atgttgcagt gagcccgaga tcgcaccact      720
acactccacc tggcgacaga gcg                                               743
```

```
        <210> 3736
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3736
aaatcgctng gctactcgtt cttttttgcag gatcccatcg attcgaattc ggcacgaggt       60
aagcaatgtg ggaaagcctt cagatctgcc tcaatccttc aaatgcatgc tgggactcac      120
cctgaagaga agccctacga gtgtaagcaa tgtgggaaag ccttcagatc tgccccacac      180
cttcgaatcc atggtagaac tcacactgga gagaaaccct atgagtgtaa ggaatgtggg      240
aaagccttca gatctgccaa gaaccttcga attcatgaaa ggacacaaac acacgtaaga      300
atgcactctg tagaaagacc ttataaatgt aagatatgtg ggaaaggctt ttattctgcc      360
aagtcatttc aaatacatga aaaatcttac actggagaga aaccctatga gtgtaagcaa      420
tgtgggaaag cctttatttc tttcacttct tttcgataac atgaaaggac tcacactgga      480
gagaaaccct atgagtgtaa gcaatgtgga aaaaccttca gatctacctc acaccttcga      540
aaacatggta ggactcacac tggatagaaa ccaaagcagg tgaatcacct gaggtcagga      600
gttcaagact ggcctgatca atatgatgaa acccctgtct cttctaaaac tacaaaaatt      660
tggccaggcg tggtggcctg gcttctgnaa tcctagctag ttgggaaggc tggcacagga      720
gaatcgcttg gatcttgggg ggcanagg                                         748
```

```
        <210> 3737
        <211> 768
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(768)
        <223> n = A,T,C or G

        <400> 3737
ggnntttcaa anccgnnttc aaancnagct cttgttctttt ttgcaggatc cctcgattcg       60
aattcggcac gaggttttttt aaagaacttg ataaatttac cttaaaattt aaataaagta      120
tactgaataa ctaagtcaac ttagaaaaaa aaaagtgtta tctaagacaa gttacaaagc      180
catcaccaaa gcccatgatc cggcagacga ctacaagcat agggtcagat ccatctataa      240
atgagagcct gacatacttc atctatagca aacatgggag acaaatcagt ggtaaaatga      300
tacagtgttt gggaagtgtt atttgaaaga tgggcttatt taatgtatac agatgaactc      360
aattcctctg taatagaaac ttgttctcca gagagattat agatctaaat gcaatgaaga      420
aaataccact ataaatttag tactctttat tgtaattatc cccaatggtt atttttactt      480
tctcacttct tagatgattt tccaagtttg tctagtatct gagttaaaac aaaatttttta      540
actttcttat aaaacatagc gtgcccccat tttagttcat tttctacata gaaataaata      600
aaacacttag ataacagttc agaaatagtt aattaaatat atcccagatt ccccacgatc      660
tggaaaaatt atatcttcaa aatacttctg tctggtggat atgtgtcttc taaaaaaaaa      720
aannnnnnna aaaaaaaaaa cttcggncct ntagaacttt agggngtc                   768
```

1123

```
<210> 3738
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 3738
gnnnnnnnnn tttnnnnntt tgaanccctt tgctctngnt cttttttgcag gatcccatcg      60
attcgtgacg agcgactgta gacgttgcca gcatgtattg atcaggagca gcctgtgagt     120
caagactgac aacagatcaa taaatggctt ttaaaaagca aaacccctca agctgtttat     180
ctaggaagcc tgacaaaccc tgcccgcagt ggtgtggccc catgtgtccc cagggcctgg     240
ggcccacctc tgccccagaa gtcctcttag tgtctgtaga caggtcccat ttccaccagg     300
tcaaccaggg ctgtggcagt ggacctggat ggcaggcaga gcagaggacc gctgttctat     360
ttgttgaagc aacgaggcac agtgactgtt ctagcacagc tggctgtgag aaatggcgat     420
gatggatcca ctttagatcc gaagtcttag caaactcagg cctctttttcc acagagaatg     480
ttgtgaagac ctgggaatga gctgttgatg tgcattttta ggatgacagc ataatggaga     540
aaattggaag tagcatatgc caaagtatga agtgttcaca cagctccctt gggttggtga     600
tttatgggaa gcttttttct cctttatact tttatctact ttctaaatct gtcaatatgc     660
ttgngtcttc tatgaacaag aaagaaaagt ttaaaaaaaa annnnnnnnn nnnnnnnnnn     720
naaaaaaact ngagccttta aactntnggg gncgnttacc taaatccann                770
```

```
<210> 3739
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3739
ggnnnnnnnn nnttnggggca nanggaaacc cntangcaan cnactganag aacccttggg      60
aaggaccccca ncgaancgaa ngcggcacga gacanacagn nnannantta cacaccgggg    120
ntgggngang aataangagg annnaangag cccnctnccg aggnngcccn aagncngcag     180
aagacaaaga nccnggnncc aggccangaa aggactgaag naaanannng aaanaagnac     240
agcngaccct ngaacaacan ggaggnnagg ggnncagnng aaaancngca tgnaagngga     300
ccngngcagn ccaaaccnga gngnaacngc ngaataaaag gggcnnccnn cngcncanag     360
anagnaccca natnnacaaa catgctagag aaaagcaacn ggggnaaaac nngcccccac     420
tagagaaang gacaggaggg annaagncac nnggaaagan aganagcaga actaagcnng     480
gnaaaagccc angaaaggnn gganacnana aagnagccaa aacnacncna gcaaagcann     540
nnaaggcaga aaacngggggc aanagnaacn aacncngggn gccaccnaaa aannncanaa     600
caggngaaga ancacannnn nnacancang caaaccancc nnacagaggg agcnnaccnn     660
gggaagagcn nnnaaanggn acaggncann nnagaagagn aanaccnnca ggcaaaangg     720
gacccaaggg acanagaaan acaaannggg nnnnncacac acngaaaaaa anngaagcaa     780
aac                                                                    783
```

```
<210> 3740
<211> 756
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 3740
ttatanatac agctcttgtt ctttttgcag gatcccatcg attcgtttta acagtgtgcc    60
tttggggagg gacccatgtc catggcttcg ttgagggcca tccatatgcc agctgggggc   120
cagcccacag tggccatatt ggctgcagca ggaatggtgc ccacctcggc gaattgaagg   180
gctaagagtc ccagatagct aggccagagc tggaagcaga cagtaagggg aagagctgct   240
cccacaggag agggagagat tccagctcac tgcgcagcct gggaggaggc gtggatcctg   300
gcacgctgag cctcaggcac cagcctccct gtgctcgaca gcaaagtctt gactccttcc   360
tgctgagcac tgtgctacct tcactgctcc aaagccagac taacagctct ccaagccctt   420
ggggtgactc ggcttccagg agctgttgga gaaatgagga tgtctgtccc tgtctgcctg   480
ggcaggccag attcctcccc agcagccggg tctctccaga ccctgattcg gtgcctttct   540
gtttaccagc tacttcaatc ccaaagtttg aatctgcaga taccttactc ccagccactt   600
tgccttctta ctgtgttgtg tgtttttcct ggtgcttcaa gancgtgtgc anggcaaagt   660
gcccgtcact gggaactgca ccagatgctc agacttggtt gncttatgtt taccaataaa   720
taaaagtaga ctttttctaa aaaaaaaaaa aaaaaa                              756
```

```
<210> 3741
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 3741
tnaatataca gctcttgttc ttttttgcagg atccctcgat tcgaattcgg cacgagactc    60
tctctacaac tgacagagta aatagacaaa aaatgtatgg gggatatgga atattttatc   120
aacacaagta aaaagcttga tctaacaggt gggtgggcca ttctancnac cannngaccn   180
gnatntaaan cnnatnangn tncatccana ttcattgttg cntntnnnnt antgatntct   240
gtntnanttn tcanntntac antnnancnn tnntnnnacn naacagncac tannaggtcn   300
annnagctnn aattnannnc tntnannccn tnnctcnnt nattntnnnt nnntntnncn    360
anactnttnc antatnatan ngnatcntnt actnttnntn nnnnantanc nnnnnannng    420
nttntntnta ctanngnncc tanttnannn atcnnnntnt ntacatctnt nctactnatn   480
atnnncannt natatatnnt nntnnnatna aaggantnnt ntncnnantn cntnnnnana   540
natnctnatn nnccntannn nntnannttn nnnaananna tnnnancnnt tannnnnnnn   600
nnnnannntt annnnnnnnt nnntnttnnn ntnnntnnnn nnnnnnnaan nggnananann   660
nnttnnnnca attnntnnnn annnnnnnnn ttannnnnnn antannnnat nntnnnnnna   720
ntnannaant ttnannttna n                                            741
```

```
<210> 3742
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 3742
```

1125

```
atacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggaccacct    60
acggaaaact gaggcccaca taagctcgat tggttgtacc tccaacagat atttattaag   120
cacctactaa atactgagcc cattgcaagc accagggaag cctctgtgaa cagcacaagg   180
tccctgctct ggagattctg cttcagtggt ggagacagaa aataaacagt ttcccgtcac   240
caatttttcct tggaattgga cagatggcag ccaccataat gatactatat gtgtccaagc   300
taaacaaaat cattcacttc cctgattttg ataagaaaat tcctgtaaag ctgtttcctc   360
tgcctctcct ctacgttgga aaccacataa gtggattatc aagcacaagt aaattaagcc   420
taccgatgtt caccgtgctc aggaaattca ccattccact taccttactt ctggaaacca   480
tcatacttgg gaagcagtat tcactcaaca tcatcctcag tgnctttgcc attattctcg   540
gggctttcat agcagctggg tctgaccttg cttttaactt agaangctat atttttggat   600
tcctgaatga tatcttcaca gcagcaaatg gagtttatac caaacagaaa atggccccaa   660
ggactaggga aatacgggta cttttctaca atgnctgctt catgaatatc caactcttat   720
tantagngct tcactggaga actgc                                         745
```

```
        <210> 3743
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 3743
tnagatcagc tcttgttctt tttgcaggat ccctcgattc ggtacaactc ttaaagcttt    60
ctacatttta catatacagt catctctcag catcccgagg aagattggtt ccaggatggg   120
ctcaaggtcc tgatataaaa ttgcgtagta tttgtatata acctatgtac atcttctcgt   180
attctttaat ctctagatta cttataatac ctgatactat gtagatgcta tgtaaataat   240
tgttatactg tattattttc aaattgtttt attgctattt ttattgcttt tccctgaaat   300
atttttaatc cacagtaggc ggatgcagaa cctctttata cggagggtcg actgtgtagg   360
agtgagctag tttcagttaa agcagcggtg gttggtactc atctctcacc tgcccccacg   420
tagtgtagct agggcatcag ggagtactga tctctggcat catctgggat caacaggatt   480
ttcctgcctc acaggcctgt gagcacatta gaaatacacc tgctcagctc aagtcaaagt   540
gagaagcttt tgaatggagt gataaccgag taggcagtat ctaaataaag atgattggtt   600
caagtctcag tggacaaatg tgtaccgttc tattactgnt gactgtgact ttgaagtata   660
tggngttcat taagcaaatc caatctgatc gtatgaaaag agcaccccaa aaaccaaaat   720
gaaaccattt atcaggactt ttgnagctat gaaa                               754
```

```
        <210> 3744
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3744
tnagatcagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc acgagctttc    60
tctggcagtg attcctgaag ggaaaatcat gaacaacacc tactaccagg aatgcctctt   120
ctacctgcac aactatagca ccaacctggc catcatcagc ttctacgtga ggcacagctg   180
cctgcgggaa gctcttctgc accttctcaa caaggtggga catggacaca gctcaaaaag   240
gcagtgcctg ccttactcct ctggcttgga ccactcagcc ttaagcggga caataacccc   300
ctgacactta accctgtgtt gagctatggg gccatctcta gcagagtcaa gtcaaaacag   360
```

```
gggactctgc acaactgtta ttcagtgagt gtgaaaagtc ttagcctaga tcccaaatca    420
ctgccctcac cagcaaaggc atgtttcatt ccttctgcca aaacatgcag cagaatcgga    480
tagtggttaa gagcatgtct ctggaatgag atgctcagtg tgagtcttgt gtggccttgg    540
gcatattgct tagagtctgc ttccacgcgc ctccctacct ggcctgggat ggtgtccagc    600
ttctgaccca nctgctggtc cattcagagt tgttactaca agggccagga agtaaccatg    660
gtgcaaatcc tatagttgaa ccccaaatag atgatgaaag aagaaaaann nnnaaaaaaa    720
aactcgagcc tntaaaacta tagtgagtcg tt                                  752
```

         <210> 3745
         <211> 770
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(770)
         <223> n = A,T,C or G

         <400> 3745
```
gnnnnnnnnn ttngnnntnt gaagccntta ntganttccc tttttgcag gatcccatcg     60
attcgcagca tccacatgac aggcggcgcc gaagggatcc tgcccctgac tttcatnagc    120
tgttgaacca tctggaattc acaggcctgt catgagagac acgatgagaa gtccttaaag    180
gtagatcact gattcacagg ggagcaggcg gaggcaaggg tgagtcagtg cttggaactc    240
agtcatccag atttggctct ggaaacttct gaagctgtag cctttgggga tccctgactg    300
cgagtacagg aagccaacgc tatgtggtct tctggaaact cattatcttt ttcactggtg    360
ctatctggga aaaacagatg aaaacctgaa ggtgttctgt atgtgtgctt tcaaaagcaa    420
ggatctggcc ggacgcagtg gctcaggcct gtaatcccag cactttggga ggccgaggca    480
ggaggatcac ctgaggtcag gagtttgaga ccagcttggc caacatggcg aaaccatctc    540
tactaaaagt caaaaattat ctgggtgtgg tggtgggcac ctgtaatcac agctactcaa    600
gtagctgagg cagaagaatc agttgaaccc aggaggcana ggttgcantg agcagagatc    660
acaccactgn acttcaacct gggtgacaag aatgaaactc cgtctcaaaa aaaaaaaaaa    720
aaaaactcga cctttaaact atagtgagtc gtattacgta natccagann                770
```

         <210> 3746
         <211> 776
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(776)
         <223> n = A,T,C or G

         <400> 3746
```
gnnnnttnnn nnnnncnnnt ttcnaatagn nagctacttg ttcttttgc agggatccca     60
tcgattcgaa ttcggcacga ggctatgtgt tctgactttg ttgattcaaa taagtaagct    120
aaatcaattt aagccattaa taggtttata aagttatttg ctatgtgttg ttcttacatc    180
attgattcat gtaagtagac ttgtgtgaca gctaattctt aaaaaattat gaagatgtta    240
gacttctttt gatatatata tgttgattgt atgaacagat tgacatcaat atacttattc    300
attataaaag atttgagtgg gaactcacca aatcccacac caaaaaaatt taaaatttta    360
ccatagtaaa aaaaactaaa aagcaagatg aaattataca tagttcttgg tgtagtattt    420
ttaattttta ttatttattt ttatagaaat ggggtctcac cattttgcca ggctgttctc    480
aaactcctgg cctcaggtga tccgcctgcc tcgacctccc aaagagccag gattataggc    540
atgagctacc atgcccggct agtgtagtat ttttaaattt tacttaatgc tgagccattt    600
tcaaataacc tcatcacatt gattatgacc tcatgcaaga accatctggt ctatctttca    660
gtgtagttgt ctttaatatc ttagaactat tgcattctgn cctttttgg gaatggttta    720
```

```
tgcttttaca gtcttaacca ttgcttctta atatcacttt ccgcggnaca actggg          776
```

```
         <210> 3747
         <211> 960
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(960)
         <223> n = A,T,C or G

         <400> 3747
tannnnncnn nnnnnnnnnn nnnnnnnnan nnncnnnnnc nnacnnnnag gnncnnnnnt          60
cnnnnnnnnn nnnnnnnnnn nnnnnntcnn nnnntnnnnn nnangtannt nnnntntnnn         120
nnnnnannan ngngngnnan tttnccaaaa tacccnagtt ttctaaaatn ccttgggcnn         180
aatccgcatc tcgcngcaag gcgacccntc gnattccgna attcggcnac gaggggcaag         240
gagtatngan tttcattcag gaattttntt cangcaattt natcaatctt attcttgaat         300
tntattcacc aataatggct cgccatngan gagtntaaag tnaggaaaca nngctatcct         360
tattcacatt ttgcaaagtt cctccatggg ctactatgat gantaatcaa ngncaangng         420
gaggtaanaa gtgaactngg ganactngtt gaccaccnca ctcaatcccn cngatantgg         480
caccatntac tnanggnnnn acnnatcnnn atnacattaa gaggatgntt acncctgata         540
tgttgactgg cttgttggaa ggacctatag ctggaacatg cttccattgc caagaaagga         600
gctacaggtn aagagacact agntnaccnt atgatngccg gnttccagcc tggcataatg         660
gnganttgcn nntgacntna atagcatntc ntgcnacaat ngaactnnca agatagaana         720
agcaanngca agggaatcnt tgcntgcttt aacccttact catcnaaang gcctctcnta         780
ctncaaagaa tttacanatc cngcttacca tttatcaacn ccaatgctgc ttaccgtngg         840
tnaaccaccc aannttgnct ttaaaataac cacaangtnt ncnaaaangc cnaaactcnn         900
ancctntaga actataagtn nntcaagatc cctatnatcc atncttgata aatanacgnn         960
```

```
         <210> 3748
         <211> 758
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(758)
         <223> n = A,T,C or G

         <400> 3748
ttnnnaatnn ncantctctt gttctttttg cagggatccc atcgattcga attcggcacg          60
aggtgacaca gagacagaga aacctccccc acccagggaa gcagctctgc agagttggca         120
ggatcagggg ctagtctgaa cccctagcac agaacactca cctcacggaa gagtggccag         180
aatgtttttcc acataggtcc tggtcctcac ttctcctcac tgagcagggc tgcccaacgt         240
gggacttctg cacaaccatc ctgcccctgc ctgaccactt caatcagagg cagcctggca         300
gttaaaggaa cacccacaca cagaggtgaa aaagaaccaa ttcaagaact ccagcaacac         360
aaatgaccag aatgtcttat gtccttcaaa tgattacact acttctccaa caaggttctt         420
aatcaagttg agttggctaa aatgacagaa atagaattca gaatatggat aggaacacag         480
atgaccaaga ttcaggagaa tggcaaaacc caatccaagg aaactaagaa taataataaa         540
atgatacaga agcagaaaga caaaatagcc tatataaaaa ataatataac tgatctgata         600
gagatgaaaa accaagctga ggaaagaatc ttggaactgg aagactggct ctgtgaaata         660
agacaggaaa aaaaaaaaaa gaannnnnna aaaaaaaaac tcgagccttt agaactatag         720
tgagtcgtat acgtagatcc agacatgata agatcctt                                758
```

```
         <210> 3749
```

```
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(771)
        <223> n = A,T,C or G

        <400> 3749
gnnnttnnnn nngnnnnttt aaaatacagc tcttgttctt tttgcaggat cccatcgatt        60
cgctgtagtc ctatttgcc atatgacatg attgaaatca acacctctta gaaatagttt        120
tgctgcctca taattgatta ccatcatgat aacctgtagt cagtgtgaaa tagagataaa       180
aattaatgta cttagttaaa tgcatatgaa ggtctaatct tgttccagag ttactcttac       240
tggattattt ttagattttt attaacatta ctggtctcta actttactca gtctggataa       300
gaaaaagaat accatgcaat tgttaactat ttgatgttta ctagattaac tattaatata       360
ttgttgtggt ccatatttaa gagttacttt gttactagag atttcattat agtggtgttt       420
aatatagttt tgggtatttt taactaaaaa tcattgttat ccttcaactg tagattctac       480
tatgaaatga ggaaaaatca gcaatagaat taattgggtt caaagtatat aaataatgat       540
gtgggaaagg gaagtcagag ggtatctctg gaagaactga tttatctgaa ggtaatactg       600
agtgaaagaa cctaagattg tagacaaagc atgctttatg caattttgct ggtcatagta       660
gtagtagagg ctctataaat gtgttgggtg ttttttggttt aaaagagaca gtgtctcgct      720
atattgcccc aggagtttaa agctgcagtg ccctgtggtt gcacctgtga a               771

        <210> 3750
        <211> 766
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(766)
        <223> n = A,T,C or G

        <400> 3750
tgnnngtttc naatagnnag ctcttgttct ttttgcaggg atcccatcga ttcgaattcg        60
gcacgaggtg aattcctcag caccaagttg tttaacacag aagagaggtg gaaacaaaaa       120
atgcttggtt tttactggct ttcttttagc atttctgtct agtcgaaatg ggggccaggc       180
ttgcacacat agacaactga attaatgtaa ccggacctat tccatctagg ctgacctctt       240
gaaagatagg aggggaagtc taaaacagga gaaaagtttt agaaatcctt tggattaggc       300
ttacccagat tagtggtatg taaaatatta tgatattctt agtgtttcag gattatggat       360
tttagtaaaa gcagaaaaaa ataaattctt gtttaactga atctataatg gcaccagtgg       420
tttggaaaca tttctgagtt acttgatttt atgtgaaaaa atctggaata acttttcctt       480
ttttccttta gaccattttt cttttattta acctaatccg agccacttta taccaatttc       540
aacaatattt ctgaattcct gtgatctttt atttcctttt tgctgctttc agctgtgttt       600
ctctccactc taagctcatt aaagttaaaa aaaaaatagg agattggacc cattttttttt      660
tctgaggagt gtggccgttt aacaccctgt ggtggctcag gatattttaa gtagtatttt       720
cagctttcta gaantggttg ncttanttag naaatagtta tnggaa                     766

        <210> 3751
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

<222> (1)...(771)
<223> n = A,T,C or G

<400> 3751
```
aggctncttg nnnnctantg aagcctttgc tactagctna gctcttgttc tttttgcagg    60
nacccatcga ttcgaattcg gcacgaggca tagttggaag ttaaggttga aaagagagat   120
aggggaaaac aggtggaata atattgaaaa ttggatcaag aatataggtg taggcgttag   180
ccattttatc ctgggagaag ggaggaaatg aaatanaaac aggaatagat agacgttttg   240
aggcgaaagg aatgaatcca gcatgctctg tttagtgatg tagatgagat cacctgggaa   300
ggcatgaatg ggcgggcaga gtggggtagt gacttcagaa gagtaataag ggttgaaaag   360
cactgctggg tgagggggaa ggaatgtcca taacctgact ccagcttcct ttagaataat   420
taacacacgt tacactcctt atttaaacag agatcccaag atcagataaa tccataatta   480
cttatttgtt gtacccacaa aatactatag gggtctgctt actttctctt gaaagcatcc   540
ccttggtaat tattctttta tgtttctcta attgcatgct ngagaaagca tctgttagat   600
gcaactagtc tttagaccct gaacacctgc agatcttgtt gatgcatgcc caagttcaga   660
aagctctgaa agaagttgct ttaaaganga taggccatgg cttttcagat acngaccttg   720
aatctgtagt ggttcctang tttccaatcc taacattacc cacttggtaa g            771
```

<210> 3752
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 3752
```
agtnnttnnt ttttgactcc ttgctggnct cttgttcttt ttgcaggatc ccatcgattc    60
gaattcggca cgaggccaca tagcaatggt ntaactgcag gactcaggtc cacttgccca   120
gcagctggca gggaagggcc atgaggcagt agagtcccta caggccaaga aactgagcag   180
aacccatgcc tccagctcac cagctgcatt gaagcccca gctggcaggg agactgctgt    240
gaatggacag ggtgagctca tccccttgaa gaacattgag ggagaattgt caagtgctat   300
tcacatgacc aaggatgcca ccaaggaggc tctacatgcc accatggacc tcaccaagga   360
agctgtgtcc ctgactaagg atgccttcag tttgggcaga gatcgaatga cctccaccat   420
gcacaagatg ttgtccctgc ccccagccaa agtctggtcc agaatctgtt ccacaggatc   480
tctttcaaat gtctcagata atgctggtgt tcaagggagc cctcttgtga ataattatgg   540
ccaggggtca ccagcagcca acagttcaat ttcacccagg ccctggaccg ccaaacagct   600
actcanctgc ttaactggcc cacaagtaca gaccagagac aaagcaagag aagaagcaga   660
gactgtttgg cccgggcccg agaagaagct tgctggcnaa ggggacgttc caacgaagag   720
accactgtcc ttcgagcagg anttaca                                       747
```

<210> 3753
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = A,T,C or G

<400> 3753
```
ggatgaacat ggcatcatat gattagaaaa ccaaaattca tttttgatgg ctgttgtggn    60
cagatcgtgt cctctaaaat ttatgtgctg gaaacttaat ttctagtgtt aacagtgccg   120
```

```
agaggtaggg gctttgggaa agtttaatgg attaatgccc acatataagg gcttgttgga      180
gggaatttgg gctctttgtt gccccttcca tcctttctac catgtgagga cgccacactc      240
ctcccctttg gaagatgcag caaacaaggt gccatcttgg aagcaaagac taagctctta      300
ccacacatcg aacctgttgg tgccctgatc ttggactccc agcctacaga actgtgagga      360
agttaagttt ctgttattta taaaattacc aagtntcagg tattgtgtna tagcaccata      420
aatggactaa anacaatgcc aaaggtggca cttgccatan aactgctgcc gatgatatca      480
actctttgct ttccagagtt aaagctttgg attctgatgg ggttgattct cttttgtgtn      540
ggacccttgt actggttnct attataatag ttcttttcta atntttaagc cgggcccna      600
tggctcatgc ctttaatccc agcactttgg ggaaggccaa ggccnggccn attcaccagg      660
tccaggagnt caagaccatn cnn                                            683
```

        <210> 3754
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 3754
```
tcagctcttg ttcttntgc aggatcccat cgattcggct gcacagtggg aagggcactg      60
ggctggaagc cctacccatg tcagggaatg tctgggcctc agatttttat tttctagaat      120
gaagatactt accccccaat tgctgagata tttgaataaa agtatatgtg aaggattttg      180
taattataga atgtcctaca aatatgagta gttcgtttgc tactttttg gcgaagaaaa       240
atattgggat gcatgaataa tatctaccta aggtacctaa ggttgtattc atcccattta      300
ttgaatgcca aggatatacc agctactgct ccagatgttg tattcaggga acagaagaag      360
agtccctgtg cccatggagc taacagcatt ctaggggagg aaagatgggt cagctgactt      420
tcacgatctc aggtactgat gaagattgtg aagattatta catcaggtga atgtaggggt      480
gatttagaga aagctggtag ctaggctgtt caaggaaggg cctctgtgag aaaggggatg      540
gttggctggg tgtggtggtt cacgcctata atcccagcac tttgggaggt tgggagtttg      600
agaccacctg ccagcatgga gaaaccccgt ctctactaaa aatncaaaat tagcccggca      660
tggtggcaca tgcctgtaat ncangctacc tgggaggctn angccgggag aattgcttga      720
accccgggag gcaaaggttg taattgagcc ct                                  752
```

        <210> 3755
        <211> 760
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G

        <400> 3755
```
naatancagc tcttgttctt tntgcaggat ccctctnttc gaattcggca cgagtatcac      60
agtttgtaaa cgggtgtttt tgtccttgtt attgaagtat acaactctgc ttagccaaac      120
ataccaagca acagacagaa gcgtcacttg gagagaagaa gaaagggtta actggcagag      180
ctactgtaaa agaaggatag aggagggtaa gtttgaaagt ggccatgggc aagaattttc      240
tccagatagc tcttgattat aatctctctc acctggatta tttcccatct cctgacagtt      300
tgttctcaca taactatcag cagtcctctc aacacagaat cagaccatgt ctctcctctg      360
ctccaacccct ctgaggctct ccatctccct ctggataaca ccctgcatga cctggccctc      420
ctatcccact gctcctcacc gcgctcattc caactctcct gttctccttg ctattttca       480
tatgggccaa gcaagcacgt gcctcacaac ttgtgctctt ggcgtctgtc tgcctgaaac      540
```

```
tttcttgcct caggtagtct catggtttat gccctctcct ctttcaagac ttggttcaag    600
tgtcaccatc tctgtgaggc cttctcagat cacctagtcc tgacacatac tagccttctt    660
tcctactttc tncactgnac tcatcatctg ctaatgngct actggttgca tattgcattt    720
aatgnctgtc ccgttggtca tgctggtttg ggggnggggg                          760
```

```
        <210> 3756
        <211> 756
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = A,T,C or G

        <400> 3756
ttncnaanat cagctcttgt tctttntgcg gatcccttn tncganttcg gcacgaggga     60
atgtcaggcc tctgagccca agccaagcca tcgcatcccc tgtgacttgc atgtatacgc    120
tcagatgggc ctgaagtaac tgaagaatca caaaagaagt gaaaaggccc tgccccgctt    180
aactgatgac attccaccat tgtgatttgt tcctgcccca ccttaactga gtgattaacc    240
ctgtgaattt ccttctcctg gctcagaagc tcccccactg agcaccttgt gacccccgcc    300
ctgcccacca gagaacaacc ccctttgact aattttccat taccttccca aatcctataa    360
gatggcccca cccttatctc ccttcgctga ctctcttttc ggactcagcc cacctgcacc    420
caggtgaaat aaatagcttt attgctcaca caaaaaaaaa aaaaaaaaa aggataacaa     480
cctgcttggc aagtttgaac tcacaggcat acctcctgca ccccgaggtg ttcctcagat    540
tgaagtcact tttgacattg atgccaatgg tatcctcaat gnctctgctg tggacaagag    600
tacgggaaaa gagaacaaga ttctatcact aatgacaagg gccgttgaca aggaagacat    660
tgaacgtatg gccangaagc tgagaagtcc aaagctgaag atgagaagcn nanggacaag    720
ngtatncaag aattacttgg tctatgcttc aaaaga                              756
```

```
        <210> 3757
        <211> 763
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G

        <400> 3757
tnnannatca gctcttgttc ttttttgcgga tccctctatt cgctcagaac cactctgtcg   60
tttttaagca gggtcacaca ctctagctca ctgggtccat tttaatttct attaaacatt    120
ttttttttt gcaaatgatg tagtaggaga tccaaggtgt ttggttaatg atttattcac     180
tcattagtca ttccacaaac ttgtcttgag cacctgttat gtacccagca ctgtgctgga    240
atgctgagga gacaggagtg aagtaaaaag acatggttcc ggcaggaaac aggcaaggag    300
agccttgact tgacggagtc tggctatatc gccaggctgg aatgcaatgg cgcgatctct    360
cctcactgca acctccgcct cccgggttca agcgattctc ctgcctcagc acctcgagta    420
gctgggacta caggcgcgcg ccaccacgcc cagatgagaa aactgaggca cagagaggtg    480
aaataagtga gatgctacct acctatgcag agctggaaaa gattttgcaa cctgaaaacc    540
caatcctttc tgagatataa aagaacagaa gagtctggaa gtgatttctt cggagaaatt    600
cattttctta ttccagagaa gaaacttcaa gctcagaata ttggctacta cctgngataa    660
acatttaaat tattgggaac cagagagttt ttatactaaa ttgnaaagaa caattttttt    720
atcaaagacc aancccgaaa ttcttgaccc tcctgggatt tca                      763
```

```
        <210> 3758
```

●   ●

```
        <211> 806
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(806)
        <223> n = A,T,C or G

        <400> 3758
ttgaagccct gctctngttc ttttgcagga tcccttttnc gcttcggcac gaggtgtagg      60
cccncatcgt ccctcattac tcgggtttca tattttgctg nttttgatgg acatggaang     120
aatncnagcc tcaaaannng ctgaacannn ttggcatcaa aatttnntca gaaaatttcc     180
taaaggagat nnaatcaagg gccnnaanac cgcnaanaga tgcctcttgn acactaanca     240
agcatctnnt gangagnnnc ttaaacangc ttccagncag aancctgcct ggaaagatgg     300
gtccactgcc acntntgttc tggntgtgga cnccattnnt tatattgcca acctcnnnna     360
tagncgggca aacttgtgtc gttataatga gganagtcag aaacatgcag ccttaagcct     420
cagcaaagag cataatccaa ctcagtatga ngagcgntat gaggatacat taaggctgga     480
ngaaacgnta gggatgggcg tgttgncggg cngtgctata gggttnactc tgcatagngg     540
acgtcagacc agnactttcg atttaccctn tgatnngccg acatnagant tctgcccngc     600
tgacacccaa ttgacangnt tnntttncat tnncnttgta tatanggcnc ttaaanggat     660
ttcctcntcn ngatnatanc ctattnnccc tnatacntng gtntatncta ntnnntnntg     720
cntnanttnt cncttganct anctcntaaa cnttnggnaa ntcttttttan ctctctngta     780
ngtcttattc tcntantatt nccncc                                          806

        <210> 3759
        <211> 802
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(802)
        <223> n = A,T,C or G

        <400> 3759
ttcaaatccc nagcttctaa gttctnttgc aggatcccat nnattcgaat tcggcacgag      60
gcttcgtgtg ctactgcgaa ggggaggaaa gcggtgaggg ggaccgcggc ggcttcaacc     120
tctacgtgac cgacgccgcg gagctttgga gcacctgctt cacgccggac agcctgncgg     180
ncctcgtggg taactgggcg ggtctgggag ccgtcacacc cctccttgca ntgcagatcg     240
tctatggggc gacagacatc tgggattccc cagaaggctc tgacaccctc tgcccgccct     300
gtagctgnag tcctcccatt ggctagggct cttggggtcg ggcaggtttn gggtgccccc     360
agtgggcctc gggttncagg cagctcgtga caagcccctg ngctctctag aaagcccgtt     420
ntggcctgag tgcngntgag gacatnaccc cccggttcag gtgagaccca acagggagga     480
aggacngatg ggnagganga ngggtctgcc acagctctcc cgtacctttt ctatnccagg     540
gcagcctgtg agcagcaagc ctgtggctct gacttctgca cgaangacan aagcnattcc     600
ttgacgcttt tcaaggggggg ccctaancac ttggcctttg gacctcttca angntaccag     660
gccccaatag gcnagcccccc aangctgang ggccgcttta cactggggcc tnggcaaaaa     720
cncgtnttgg aaccttgtaa cnggnnaact ggnaagcttc acnaanaaga caatttntta     780
nnnccnnggg aaaaagccccc cc                                             802

        <210> 3760
        <211> 772
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G


<400> 3760
gnnntttnan ntancagttt gaaacccttg gcggaccctc gattcgaatt cggcacgagg    60
tgtttcttct acctcccctg cacaacattg tttatatgct tnctaaaatg taacttcttt   120
agattctgtt gttacgtgca acactgtata tctctccata gcacttaatc agagtttgta   180
attaggcatc tttttgtgtg attatttggt aaatgtccat atccctact agcctataag    240
ctccatgact tctaggtacc ctgtctgact acgtgtatca ctgtttctac cgcctaacat    300
tgcctagcac attcattgct tcacaggcat ctgaatatgg ttttataaaa tacattgctc   360
tagtgcacag gattttaagc taaggatttc atgaatggga tttggggtag gggcatctat    420
gaaattcctg aaattgtgta gaattttgag aatatgtgtt ttcctgggga tagagtatgt    480
agtttctcag caactcatta cagtctgtca catcatgccc taattctact tgcctgtagc    540
taaacaccta ataacattag aactgaaatg atagtgatat gcaagatagc acgtgtggtt    600
tccacatatt ctaagaggca tcttcaatta gattccaaaa aaaaaaaann nnnnnaannn    660
naaaaaaact cgagcctnta aaactatagn gagtccgatt cgtagatccn gacatgataa    720
gaancattga tgaagtttgg acaaaccnca acttggaatg ccntggaaaa aa            772


<210> 3761
<211> 771
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G


<400> 3761
tttaaganca gctcttgttc tttttgcgga tccatcgatt cgaattcggc acgagcctcc    60
accacccccc cagtcgtctg ggatggacaa ccatttggag gagctgagcc tgccggtgcc   120
tacatcagac aggaccacat ctaggacctc ctcctcctcc tcctccgact cctccaccaa   180
cctgcatagc ccaaatccaa gtgatgatgg agcagatacg cccttggcac agtcggatga    240
agaggaggaa aggggtgatg gaggggcaga gcctggagcc tgcagctagc agtgggcccc    300
tgcctacaga ctgaccacgc tggctattct ccacatgaga ccacaggccc agccagagcc    360
tgtcgggaga agaccagact ctttacttgc agtaggcacc agaggtggga aggatggtgg    420
gattgtgtac ctttctaaga attaaccctc tcctgcttta ctgctaattt tttcctgctg    480
caaccctccc accagttttt ggcttactcc tgagatatga tttgcaaatg aggagagaga    540
agatgaggtt ggacaagatg ccactgcttt tcttagcact cttccttccc taaaccatcc    600
cgtagtcttc taatacagtc tctcagacaa agtgtctcta gatggatgtg aactncttaa    660
ctcatcaagt aaggnggtac ttcaagccat gctggcctnc ttacatcctt tttnggaaca    720
gagcacngna taaataatta acttaataat aatatgccca aaaaaaaaaa a            771


<210> 3762
<211> 764
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G


<400> 3762
```

1134

```
cagctntngt tctttttgcg gatccctcga ttcgggagag aaaccttatg gatgcattga      60
ctgtggcaag gccttcagcc agaagtcttg ccttgtagca catcagagat atcatacagg     120
aaagactccc tttgtatgtc ctgaatgtgg gcaaccctgt tcacagaagt caggactcat     180
tagacatcag aaaattcact caggagagaa accctataaa tgcagtgact gtgggaaagc     240
cttccttaca aagacaatgc tcattgtaca tcacagaact cacacgggag agagacccta     300
tggctgtgat gagtgtgaga aagcttactt ctatatgtct tgccttgtta aacataagag     360
aatacactca agggagaaac ggggggattc agtgaaggtg gaaaatcctt ccacagcaag     420
tcacagctta agtcctagtg aacatgtgca ggggaaaagc cctgttaata tggtaactgt     480
ggcaatggtg gcagggcagt gtgagtttgc ccacatcctg cattcatgat aaacagtttg     540
ctgtttgatc atatagcctc caacggaatg ctgagtttgt catgtcccat gggccctttg     600
gctccctgca ctaatatgta tagtangggt ttacaagata tgaaaatata ttttactttt     660
tttatatctt ataaacctca ctaccccttc cacaatattg gttttcattt actatcttga     720
catagagttt ggcttgggga aggggggcagt tttaaangct tccc                      764
```

```
        <210> 3763
        <211> 764
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(764)
        <223> n = A,T,C or G

        <400> 3763
```

```
cagctntngt tctttttgcg gatccctcga ttcgggagag aaaccttatg gatgcattga      60
ctgtggcaag gccttcagcc agaagtcttg ccttgtagca catcagagat atcatacagg     120
aaagactccc tttgtatgtc ctgaatgtgg gcaaccctgt tcacagaagt caggactcat     180
tagacatcag aaaattcact caggagagaa accctataaa tgcagtgact gtgggaaagc     240
cttccttaca aagacaatgc tcattgtaca tcacagaact cacacgggag agagacccta     300
tggctgtgat gagtgtgaga aagcttactt ctatatgtct tgccttgtta aacataagag     360
aatacactca agggagaaac ggggggattc agtgaaggtg gaaaatcctt ccacagcaag     420
tcacagctta agtcctagtg aacatgtgca ggggaaaagc cctgttaata tggtaactgt     480
ggcaatggtg gcagggcagt gtgagtttgc ccacatcctg cattcatgat aaacagtttg     540
ctgtttgatc atatagcctc caacggaatg ctgagtttgt catgtcccat gggccctttg     600
gctccctgca ctaatatgta tagtangggt ttacaagata tgaaaatata ttttactttt     660
tttatatctt ataaacctca ctaccccttc cacaatattg gttttcattt actatcttga     720
catagagttt ggcttgggga aggggggcagt tttaaangct tccc                      764
```

```
        <210> 3764
        <211> 802
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(802)
        <223> n = A,T,C or G

        <400> 3764
```

```
ttctaatgct tggntctcga tctttggtca ggatccctcg attcgctgag aaaatcatag      60
agatcctgga gagcgggcat ttgcggaagc tggaccatat cagtgagagc gtgcctgtct     120
tggagctctt ctccaacatc tggggagctg ggaccaagac tgcccagatg tggtaccaac     180
agggcttccg aagtctggaa gacatccgca gccaggcctc cctgacaacc cagcaggcca     240
tcggcctgaa gcattacagt gacttcctgg aacgtatgcc cagggaggag gctacagaga     300
ttgagcagac agtccagaaa gcagcccagg cctttaactc cgggctgctg tgtgtggcat     360
```

```
gtggttcata ccgacgggga aaggcgacct gtggtgatgt cgacgtgctc atcactcacc      420
cagatggctg gtcccaccgg ggtatcttca gccgcctcct tgacagtctt cggcaggaag      480
ggttcctcac aagatgactt tggtgagccc anaggagaat ggtcagcaac agaagtcttg      540
ggggtgtgcc cggcttccaa ggccatggcg gcggaaccgg gcgcctggac atcatcgtgg      600
tgccctataa gcgagttttc ctgtgccctg ctctaactta cccggctttt gacacttcaa      660
ccgcttccat gcnaacccct tgcccaaaaa ccaaagggcc ttgaagtttt ntcatgaaca      720
ntgcccttca accacttgnt gtgggtcccg ggaacaaccc atgggatnna aaggnggngg      780
ccttgnccca aattgcttnn cc                                               802
```

```
        <210> 3765
        <211> 744
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(744)
        <223> n = A,T,C or G

        <400> 3765
atacagctct tgttcttttt gcaggatccc tcgattcgaa ttcggcacga ggcatatgct       60
tgtctcaaag attaagccat gcatgtctaa gtacgcaggg cctgagtctn tgccctcgtg      120
ggcgttgagt gacactgatt ctcgcgtgtc tccggcctct ccggcaggga gtcctancgc      180
agactttgcg gntcatggag agtctctggg agacaggcac ctgcggacgc tgcagataag      240
ttacgacgca ctgaaagatg aaaattctaa gctgagaaga aagctgaatg aggttcagag      300
cttctctgaa gctcaaacag aaatggtgag gacgcttgag cggaagttat aagcaaaaat      360
gatcaaggag gaaagcgact accacgacct ggagtcggtg gttcagcagg tggagcagaa      420
cctggagctg atgaccaaac gggctgtaaa ggcagaaaac cacgtcgtga aactaaaaca      480
ggaaatcagt ttgctccagg cgcaggtctg caacttncag cgagagaatg aagccctgcg      540
gtgcggacag ggcgccagcc tgacccgtgg tgaacagaac nccgacgtgg ccctgcagaa      600
cctccgggtg gtcatgaaca gtgcacagct ttcatcaagc actggtttcc ggagctgaga      660
cctgaatctt gttgccaaat ccttaaatct attgacngaa tttctgaagt taaagaccan      720
gaggaagact nttgaggccc tggn                                             744
```

```
        <210> 3766
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 3766
atcagtttct tgcctttntn caggatccct cgattcgaat tcggcacgag gtttccctgg       60
cttaccgtga tgacgcattt gctgagtggt ctgaaatggc ccatgaaaga gtaccacgga      120
aactcaaatg caccttcaca tctcccaaga ctccagagca tgagggccgt tactatgaat      180
gtgatgtcct tcctttcatg gaaattgggt ctgtggccca taagttttac cttttaaaca      240
tccggctgcc tgtgaatgag aagaagaaaa tcaatgtggg aattggggag ataaaggata      300
tccggttggt ggggatccac caaaatggag gcttcaccaa ggtgtggttt gccatgaaga      360
ccttccttac gcccagcatc ttcatcatta tggtgtggta ttggaggagg atcaccatga      420
tgtcccgacc cccagtgctt ctggaaaaag tcatctttgc ccttgggatt tccatgacct      480
ttatcaatat cccagtggaa tggttttcca tcgggtttga ctggacctgg atgctgctgn      540
ttggtgacat ncgacagggc atcttctatg ccatgcttct ggccttctgg atcatcttct      600
gtggcgagca catgatggat cagcacgaac cggnaccaca tngcanggta ttggaagcca      660
```

```
agtcggccca ntgccgtngn tcttctgnct ttcatatttg acatgtgtta aaaaangggt     720
ccaacttacg aatncctttt acagtt                                           746
```

```
        <210> 3767
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3767
tnagatacag ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgaggtttt      60
atttataaaa caaaaattta tatttgcaca ggaggagaat tagcaggatg taaaataaaa     120
atgaaagacc ccaatgggga gaatatttta aatgtcttgc agggagtgga agaaagcttt     180
gcttaaaaat gtcaccatat gctaactata tacagcactt caagtttatt tattgttaaa     240
gcctcatgta aatcacgtca ttctgaaaat catggaaact gcacatttgt gcattaaact     300
atgtaaacaa caaaaactgg tcatccgtcc aattgttgct tcacttattt tgaattatag     360
tgcaattttg tggagggtga aatggggatt acacaatata gcgatttcct gttaacacct     420
acattttttgc tgatcaagca aggtctgttg gtgcgagagc ttaaccttta ttttatttcc     480
aaatgtgttt tttattccga gtcccgttgg tgtctatggt ttcacttttc tccatgagcc     540
acatgttaaa gcctgccctg actaaatgaa ggagtgtaag cagtgggata gacattgcag     600
gcaggcgaaa ctgggataag ccccagaatc ttttgaacct atcagtaata ttactaacag     660
gggagaaagt ataaaagtga gcccttcaag tgctctagtg tacatgtcag aattnaagca     720
cgagttncac gggatggctc accccttc                                        749
```

```
        <210> 3768
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G

        <400> 3768
caaatncnng ctctcgttct ttntgcagga tccctcgatt cgaattcggc acgagggctg      60
cagtgagctg tgatcgtgcc actgcactcc atcctgggtg gcagagtgag gccctgtctc     120
aaaataaata atccagtccc ccccaagaaa gggaatgaag tgctataatg agaaaaatcc     180
tagtacctaa catatagtag acagtggaga gtggttctct ttcgttnctc aggggcagac     240
agattgggtg ctggagtcct ctatcaaaga gtcagagctc tatcccagat gtgtaatgaa     300
cgtggtcaca gacatattgt ccattaccat ttaccttccc tataaccact gtgcctccag     360
ccttgtagaa tagacacata ggagcgcagc aatacgtcta aaaataggag tgagagaggg     420
cagggcatgc ccgttcttgn ggtagaagaa aagaatgtca aagaaagcag ctgggactaa     480
tgaactttac attagccata ttccattatt tcagcttaag tcaaatgtcg gtcctcatga     540
ggcaactggc tttgacagga gctacgctaa ttaccactta ccaacctttta atttctgggt     600
aaaagcaaaa gacaaaaact aatggatttn tcattttnca cagngacaag aattaaataa     660
tagtangtct gtcnaaaaaa aacaaaattn aaactcgagc ctntagaact ttngngagtc     720
gtattacntt agatncagac ntgatacgat accatggan                            759
```

```
        <210> 3769
        <211> 754
        <212> DNA
```

1137

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 3769

```
ttgcnaatgc taggctactc gntctttttg caggatccca tcgattcgaa ttcggcacga    60
ggagccacca tgcctggccc atcgtntcat ttgatccttg caacaccc ta tgagaatatc   120
cngatcgaac gatntcacag atnatccata gtgatactca gctaacggnt ggtctgccaa   180
gacttgaacc caccattctt gttactnnct tgatnncttt aanactggtt atnnnnngcc   240
agtntgnnat ggngcnnaaa atangatgtn ngnttttt gg angtannann tgctacaggc   300
ntnnactnta tnatctnagc natagcnagt ncaagtnnga ctgattnagn atacacnnng   360
nngtgttant ngctaaaata ttgaaanaac tttnattctg gntggagcnc gtnnngtntc   420
ccaaatatga acaaccaana tctgaaatgc tncaaagctg gaaactttta gagtgnttnt   480
gantgccngc caacatgaca tgcaaganaa acattnattt ggagcatttn ggattgtgna   540
tattnagatt ngggatgctc antangnatt aatgcanata ttncaaaanc cncgccttcn   600
gacccagcng aaanaaaaac caaaancccta naatacttgn gntcnccaag cattcatgaa   660
aaaaatgatn cttaacctng naaatagctt tgncccaacc cncnnaagtt tctttntcta   720
cttccctggc cantttnaac attaggaacc ccct                                754
```

<210> 3770
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(752)
<223> n = A,T,C or G

<400> 3770

```
tcagctcttg ttctttntgc aggatcccat cgattcggct gcacagtggg aagggcactg    60
ggctggaagc cctacccatg tcagggaatg tctgggcctc agatttttat tttctagaat   120
gaagatactt accccccaat tgctgagata tttgaataaa agtatatgtg aaggattttg   180
taattataga atgtcctaca aatatgagta gttcgtttgc tactttttttg gcgaagaaaa   240
atattgggat gcatgaataa tatctaccta aggtacctaa ggttgtattc atcccatta  300
ttgaatgcca aggatatacc agctactgct ccagatgttg tattcaggga acagaagaag   360
agtccctgtg cccatggagc taacagcatt ctaggggagg aaagatgggt cagctgactt   420
tcacgatctc aggtactgat gaagattgtg aagattatta catcaggtga atgtaggggt   480
gattagaga aagctggtag ctaggctgtt caaggaaggg cctctgtgag aaaggggatg   540
gttggctggg tgtggtggtt cacgcctata atcccagcac tttgggaggt tgggagtttg   600
agaccacctg ccagcatgga gaaaccccgt ctctactaaa aatncaaaat tagcccggca   660
tggtggcaca tgcctgtaat ncangctacc tgggaggctn angccgggag aattgcttga   720
accccgggag gcaaaggttg taattgagcc ct                                  752
```

<210> 3771
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```
        <400> 3771
taaagnatca ngntcttgtt cttttttgcag gatcccatcg attcgctgga ccgggtcttg    60
gtgctttcca gctcagggcg ttggtccact tggttattct tggggaccaa aatccaagct   120
aggatgggga cagaggcctg gagacaacct gctggcctcc ttccattaaa gccattacag   180
tgtcaccaca ggattgtaag aattacaaat gcgttttcca gagtccccag agaaaaagga   240
gtctggcagt tagaagagta aagtgcatct gtcaacaaaa gaaataccaa agatgagact   300
acagcagcga cttgtcacct cttccgtgtt gctactgcct gagaacagag gtttttagtt   360
tctttaaagg gttgtaaaca taaaaacaaa gaaggataca acatgcaagg cctaaaatgt   420
ttactttctg gcctttttaca caggcagttc gccagccccc taccctacag tatggaaaaa   480
aggcatagaa cagtcaaatc acgtaggatt tcttggtttc tccatgcagg ctcatcgaat   540
agcaaccatc ctttcttagt ttcttgaaac aagtacctta tttacattca gagaattata   600
tgtggacaaa cagctcataa gcccgtactt ttacatactc acttcctgaa ttgcatattg   660
aaaaagagag ttcatgtaaa gcccgattat tatttaatct aaagttatgt tcacatagga   720
agcactatgt agagaaatag ggtctgangg acaaggagcc t                       761

        <210> 3772
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
        <223> n = A,T,C or G

        <400> 3772
taaagnatca ngntcttgtt cttttttgcag gatcccatcg attcgctgga ccgggtcttg    60
gtgctttcca gctcagggcg ttggtccact tggttattct tggggaccaa aatccaagct   120
aggatgggga cagaggcctg gagacaacct gctggcctcc ttccattaaa gccattacag .  180
tgtcaccaca ggattgtaag aattacaaat gcgttttcca gagtccccag agaaaaagga   240
gtctggcagt tagaagagta aagtgcatct gtcaacaaaa gaaataccaa agatgagact   300
acagcagcga cttgtcacct cttccgtgtt gctactgcct gagaacagag gtttttagtt   360
tctttaaagg gttgtaaaca taaaaacaaa gaaggataca acatgcaagg cctaaaatgt   420
ttactttctg gcctttttaca caggcagttc gccagccccc taccctacag tatggaaaaa   480
aggcatagaa cagtcaaatc acgtaggatt tcttggtttc tccatgcagg ctcatcgaat   540
agcaaccatc ctttcttagt ttcttgaaac aagtacctta tttacattca gagaattata   600
tgtggacaaa cagctcataa gcccgtactt ttacatactc acttcctgaa ttgcatattg   660
aaaaagagag ttcatgtaaa gcccgattat tatttaatct aaagttatgt tcacatagga   720
agcactatgt agagaaatag ggtctgangg acaaggagcc t                       761

        <210> 3773
        <211> 834
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(834)
        <223> n = A,T,C or G

        <400> 3773
ggnnnntttn nnatttngnc nnannnanaa ctctnnagna anccctttgt ncaggcatcc    60
catcgattcg aattcggcac gagcagcctg cggccaggct ttttatttaa tntnaatagt   120
ttttgtttgc ctccgtggtt tggtcaccgt gtgcatcgca ccgtgctgta aatgtggcag   180
tcgctgtgtt gggagagccg gccacgccct tggctttaga gctgtgttga aatccatttt   240
ggtggttggt ttttaacccca aactcagtgc attttttaaa atagttaaga atccaagtcg   300
```

```
agaacacttg aacacacaga agggagaccc cgcctagcat agatttgcag ttacggcctg    360
gatgccagtc gccagcccag ctgttcccct cgggaacatg aggtggtggt ggcgcagcag    420
actgcgatca attctgcatg gtcacagtag agatccccgc aactcgcttg tccttgggtc    480
accctgcatt ccatagccat gtgcttgtcc ctgtgctccc acggttccca ggggccaggc    540
tgggagccca cagccacccc actatgccgc aggccgccta cccaccttca ggcagcctat    600
gggacgcagg gccccatctg tccctcggtc gcccgtgtgg ccagantggg gtcccgncgt    660
ccccaacact cgngcttcgg nttcagaaca cttttgggca nggaangtct tgggggccct    720
taaccaagca nggaaccncc gtgccaaagc ccngggcaag gccgggtccc aaccttagga    780
accccaacaa gccccctttn ggggaagcca accccnaaa cctttttggg gggg           834
```

        <210> 3774
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 3774

```
gnnnttttaa atacccagct ttcaaatcct tgttcncgnc ttncgcagga tccctcgatt     60
cgaattccgt tgctgtcggt gatgagattc tgatggaaga gattaaggat tacaaggcac    120
gcttgacctg tccgtgctgt aacatgcgta aaaaggatgc tgttcttact aagtgttttc    180
atgtcttctg ctttgagtgt gtgaagacac gctatgacac ccgccagcgc aaatgtccca    240
agtgtaatgc tgcttttggt gccaatgatt ttcatcgcat ctacattggt tgatctaagt    300
caaganaaga agaggagctg gctagtcang aacttattca ttaaccacca aacctctacc    360
tnttctctcc ttgactgtca cctgtaggac agtttatcag tcaactacct ttcctccaga    420
ctttacttcc aggctctnct cttcagtanc tggatgactt tagcagaaag gactggtaaa    480
tacaagcctt gggtttcaga atgaattaga aacaaataac tcttactgtc ttccctccca    540
gctttgttta ttttgtgctt ttagactttt cagtgntntc ttttttcagn ccactgtata    600
aacttggatt gtccattcct cctgaagaaa tcaagttggg tattttttgat gtggaaaagg    660
gaacaanaag tggaaacatg gctacttttt ggggagtgga tnttttaaaa aaatnaggtt    720
ggctatgggc accaaanttt tctacatttg ngtnncaaac ttcttgtgaa atgtgggatt    780
ncaaant                                                               787
```

        <210> 3775
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3775

```
ttnnnnnnnn cagctacttg ttcttttttgc aggatcccat cgattcgaat tcggcacgag     60
gctgggtgtg gtggcttatg cctgtaatcc aaacactttg ggaggccaag aagggaggat    120
cacttgagcc caagaatttg agaccagcct gggtaactta gtgagaccct gtttctaaaa    180
ataaatagac agatgataga tagtcagata gagagagaga gagagatgat atagatatag    240
atagatagat agaatgttct ctaccccaag ggtggagaaa gacttgagca aagacacaga    300
ggccacatgg attaaaagga ggaggagaag ccctgtgttt gcaggatga atggcctatg    360
ctctggggag gtgggctgtg ccctcagcag catccacatc taatgcagga caacaccatc    420
gacttcctgg agtacgtggc agctctgaat ctcgtgctga ggggcaccct ggagcacaag    480
ctgaagtgga cattcaagat ctatgataag gatggcaatg ctgcatcga cccgcctgga    540
```

```
gctctcaaca ttgtggaggg aatttaccag ctgaagaaag cctgccgcga gagctacaaa     600
ctgagcaagg ccagctgctc acacccgagg aggtcctgga caggatcttn ctcctggtgg     660
atgagaatgg agatggccac tgctnttgac naattggtga agngcccctc gggccaagtg     720
ggtgatgaaa atcttccnat ggc                                            743
```

```
        <210> 3776
        <211> 730
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(730)
        <223> n = A,T,C or G

        <400> 3776
atcagctctt gttctttttg caggatccca tcgattcggg agggcaggag agtgaccaag      60
cagctagaag agagggtgca gcaccccaag gnnaggactg ggggagtggg tgttccagga     120
agggctctgg catgtaaagc tgcacagaag tcaaatcaga taaagcctga gagggatcca     180
tgggatttct tggcaaaggg attgttggtg ataccaggaa gagcagcttc agtggctcat     240
ggggagagaa gccagattac aggagatcag caactgagag agtgagtgga gagcatcttt     300
taagaatgtc ttgagtgcgg gccggctgcg gtggctcacg cctgtaatct cagcactttg     360
ggaggccgag gcgggcgaat cacgaggtca ggagttcgag accagcctgg ccaacatggt     420
gaaacccgtc tctactaaaa ttacaacaat tagctgggca cggcgcantg gtgcgtgcct     480
gtaatcccag ctctcgggag gctgangcag gagaatcact tagaccaggg agtcggaagt     540
tgcagtgagc tganattgcg ccactgcact tcanactggt gacagaacta gactctgtca     600
aaaaaaaaaa aaaaaaaaac tcgagcctnt agaactatat gagtcnnatt cctagatccn     660
gacatgataa gatncattga tagtttggac aaccacactt gaatgcntga aaaaatcttt     720
atttggaaat                                                            730
```

```
        <210> 3777
        <211> 769
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(769)
        <223> n = A,T,C or G

        <400> 3777
ggnnnnnnnn nttttnnncn atggaaactt ttgctattgc ncttttttgca ggatcccatc      60
gattcgaatt cggcacgagg ccaccaccac caccagcccc acaaaattna cctcaaggcn     120
tacgaacagg tgatgcacta ccccggctac ggttcccccca tgcctggcag cttggccatg     180
ggcccggtca cgaacaaaac gggcctggac gcctcgcccc tggccgcaga tacctcctac     240
taccagggggg tgtactcccg gcccattatg aactcctctt aagaagacga cggcttcagg     300
cccggctaac tctggcaccc cggatcgagg acaagtgaga gagcaagtgg gggtcgagac     360
tttggggaga cggtgttgca gagacgcaag ggagaagaaa tccataacac ccccacccca     420
acacccccaa gacagcagtc ttcttcaccc gctgcagccg ttccgtccca aacagagggc     480
cacacagata ccccacgttc tatataagga ggaaacgggg aaagaatata aagttaaaaa     540
aaagcctccg gtttccacta ctgtgtagac tcctgcttct tcaagcacct gcagattctg     600
attttttttgg tggtggtggt ggtctccatt gctgntgntg caaggaaagt cttacttaaa     660
aaaaaaaaaa ttttgtgagt gactcggngt aaaaccatgt agntttaaca gaaccngang     720
gttgtctatg gttaaaaagc ctntagaact atgngagtcg nattacgta               769
```

```
        <210> 3778
```

<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3778
naanannagc tcttgttctt tttgcaggat cccatcgatt cgcccacctc ggcttcccaa   60
agtactggga ttacagacgt gagccaccgc acctggccta aatttcacca tcgtttctat   120
tcataactta cctgcaaagt gattatctga ctagtactac tgcaacaaag ataataaagt   180
gcctgatgtt tatatcaaat aggatatggc atgtttctga gtgtttctaa agaaaaatac   240
tgaatgaacc cctcgcctaa cctagtgcct gtggtaacaa taactgacat gcattgagcg   300
cttactgtgt gccaggtgct tgttcgaggt actttaccgg tattaactct ttaattcgca   360
taacccttct gtgagatggg taacattata cccattttac agatgaggaa tctgaggcct   420
ggagatatca aatcatgtgc ccaaggccac aaagccaaca tgtggtagaa ctgagactcg   480
aatctaggca gtttgttcca atttttgtgc tttgaacctg tgcacaatat gactattgct   540
attttgtgat attatttgag atttctcttt taattattct tgatatcttt ggggcagaaa   600
aacaatgaat aataatgtta tgaatattaa agcccctcaa aaaaaaaaa nnnnnnnnnn   660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaaaaa aaaacctggc ctttaaaatt   720
ttggggggnn ntttccnnaa anc   743

<210> 3779
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 3779
ttntatatca gctcttgttc tttttgcagg atccctcgat tcgaattcgg cacgaggata   60
taatggccan gaggaatcan aaacctgacg ttagaaaggc tcaacgagaa cangctatca   120
gggctgctaa ngaagcaaaa aaggctaagc aagcatctaa aaagactgca atggctgctg   180
ctaaggcacc tacaaaggca gcacctannc aaaagattgt gaagcctgtg aaagtttcag   240
nctacaggtg gacaatgagg aggaggaaag ccnnggacag gttgaagggc ggcttgnccc   300
atccactgtg gtcctggacc acacangcgg ctttgagggg cttctcctgn tggntgatga   360
cctgctgggg gtgattggac acagcaactt tggcaccatc cgntctacca catgcgtgtt   420
caaagggaaa tggctctncn aggtcctcat ctctnccang ggctcatgca natcggctgg   480
tgcaccatca nctgccgntt taaccangan gaggggttg gagatacaca caactcctat   540
gcctatgatg gcaaccgcnt gcncaagtgg aatgtgacca cancgaatta tgcccccccca   600
tctntgctgg gttncanncc tgtggtcaca agtnctgcng ngcctgtatn aaccagcacc   660
tgttgaacan canggacttg nttcttcttc aaaaccaccn ttntgtctgt anangacttg   720
gtanaaggga gccaatccna gttctacn   748

<210> 3780
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

1142

```
<222> (1)...(771)
<223> n = A,T,C or G


<400> 3780
gnnnnnttnn nnnnnnnnnn ttttnaatnt cagctacttg ttcttttttgc aggatcccat      60
cgattcgaat tcggcacgag ggatttctcc tccttccgcg ctttctgcgt gacactggct      120
gtcagctctg ggctgggctt tctgggggcc acacagctgc tgaggcggcg ggttgaggcg      180
gcccgaaagg acccagggtg ctcagcctgg ttgtggatag cggcctgtgt ggagaggagc      240
tgcttgtagg cagtgaggag gcggacagca tcaccttggg ccggtatctc cggcagctgg      300
cacgccatcg gaacttcctg tggttcgtga gcatggacct ggtgcaggtg cagtggctca      360
cgcctgtaat cccagcactt cgggacgcca aggtggaaag accgcttgag cccaggagtt      420
cgaggctgca atgagttatg attgcaccac tgcactccag cctgggcggc agagaaaggc      480
tccatctcta aaaaagaag agctaagtgc tgtacctaaa acatgcagta tataaactgg       540
ctgaacttag aaataaactg ttttcatgtt atgaaaaaaa aaannnnnnnn nnnnnnnnnn      600
nnnaaaaaaa aaaactcgag cctntanaac tatagngagt cntnttacgt anatccagac      660
ntgataagat ncattgatga gtttggggac aaacccaact ngaatgcntg aaaaaaatgc      720
tttatttgng aaaatttggg atctatgctt tatttgtacc attataagct n              771


<210> 3781
<211> 779
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G


<400> 3781
cnnntttcaa atcgcttgtt actngttctt tttgcaggat cccatcgatt cgaattcggc      60
acgaggtgag gggctgtctg gcccttctga ttttttgtta acgagacatg gattgtggca      120
tcaagattta gattcattcc tctgtttgtt ggagtcattg aagccagtat atcctggaca      180
tttttttaaag aggtccccat tctgagaaaa gacaggagtt gaatgtctta ttgattctta      240
cctttctgtt cgttatagac gaccagagga aacaaatgcc cgacacggat tcgactcagt      300
cataagtgtg aaccaaatag gccgatctgg gttctctcac tgactgaaga ggaagagaaa      360
taagagagga cagtgggcaa aatgtagggt gacaaccaag ggttctggtt tgcccagaat      420
tgccctgggt tcaaccctga agttcccatg ttgtggacag ccccgtggtc ctagacaaac      480
aggtcacctt agcggtaaaa gcctttctca ggagtgagag ctccagggga dacaaaacgg      540
gtttggtttt ggaacctgga ggaagaaggc aaaatgagaa gagtncactg gcagtgagtc      600
ccggaaaggn cccgccttgc aacaancgtg gcatcttccg gacccacttc cttgctcttt      660
ctcccgttag ccctgccctt aatgtngggt cccagtgcaa aancccntt ggggccngg       720
gcccgttgcc ctgcttaatt caattgcaan cttggaccag gaaaagccca gcccagctt      779


<210> 3782
<211> 744
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G


<400> 3782
tacaggctac ttgttctttt tgcaggatcc catcgattcg aattcggcac gagcaggctc      60
atctccaact gacctcatga tccactggct tcggcctccc aaagtgctgg agtgcagtgg      120
```

1143

```
tgtgatcatg gctcactgca gccttgacct cctgggctaa agcaatttgc cttcctcggc       180
ctctcaaagt gctgggatta caggtgtgag ccactgcacg tggcctcttt ttagtttatt       240
ttttccaaaa ttatttttgaa aagtttcaag gtggaatgta gtgacaccat cacggctcac      300
cgaagacttg acctcctggg ctcaggtgat cctcccacct cagcctctca agtagctggg       360
actacaggtg cacaccacca cacccagcta gttttttatgg ttttttttaga gacagggttt     420
cgccacgttg cccaggcagg tagaactccc gtactcaagt gatccgtccg cctcagcctc       480
ccaaggtgtt gggattacag gtgtgagcca ctgcacccgg cccatttctt cttagattta       540
acagttaaca ttttgctaca tttgtttttat gtccccatat atctggtttt cccttaagct       600
atatgaggct acattgnggg tacactttac ccaatattct ggtatcaacc acagtgccat        660
aatcataata aaaaaattta acattggtgc agtaaaaaaa aaaaaaaaaa actcgaggnc        720
tttagaacta tnntgagtcg ntta                                              744
```

```
        <210> 3783
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3783
anacagctct tgttcttttt gcaggatccc atcgattcgc aacagaataa gactccatct        60
caagaaaaaa aaaaggttaa agttcctgac ttaatgagga aataaaaaaa ttatatgctg        120
aagttgctaa gatctagctt gtgtttgtga aattgtgaag aaagaaaaag aaattcatag        180
tagttttatg gtcacacttc tgcaaaaatt gcagccacag tgcatgataa gtgcatagtt        240
aagatggaaa aggcatttttt tgagtggaag acatgaagag aaatagcttc caatgacagc      300
attcaagttc ggtactatac atggtttcag gaatctacta gaggtcttgg aacatatccc        360
tgtggataag aagggactac tgtattgcca accagggaag cttcagtgct tccagagaat        420
ttattagggc atcattacat aggcacgatt gatttgtttg gctgcccaca tggttgaact       480
cagtcttcaa gtcaactgat accaagttgt ccaaagttcc ccaccctaaa ccacatggtt        540
ggtctttctg gcatggcccg gctttcaccc taagactact gggtgttgca gctgcaacct       600
aaaatctagt aacaaagaca tgcttatcag gtctgacata gattaccttc caaaagggaa       660
agatcagaca tctctttggg taangtcaac tttttttttac tacattgaga caaattctat       720
ttcaaggaca gagttaagga gggaatgaat ttt                                     753
```

```
        <210> 3784
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature ·
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 3784
tacagctact tgttcttttt gcaggatccc tcgattcgaa ttcggcacga gaccacacct        60
ggctcattta ttttatttt gtctagagac agtgtctcac tatgttacct gggctggtct         120
tgaactcctg gcccctaatg atctgtctat ctcaatcacc caaagtgttg ggattacaga        180
tatgagccac tgtgcctggc ctatttctga cttttttttct ttttgtatat aagaatatat       240
atttcgagac aaattgtgga ttataaatgg atgcttattt atctcgactg cctttcagac        300
cttttttcccc cagccaacca gtttttttttct tctcaaagaa gacacaggtg aaactgaaac     360
tcatctattt cttctgattg agattgtgtg ggtctactcc actcagcttt tgcagtacat        420
ggaaagttga gataaacgcc taaagaaact agtttcagtc atagatttag taaaaatgtt        480
```

```
attgcaaatc tcttctttga actcaangtg cttttctcag tttcttaaac caccacccag    540
agagatcttt catgtcctct ttgccctgga gatgtacatt gggaacaaaa accttaagtc    600
agttcttcac ttttttactg ctttggctct tagtaattat ctgntcttct attaaacaag    660
gagaagacag attaaatttc taacagtnag ggcacaaaac caatccattt acagaattag    720
tcttacttta ccacatagga                                                740
```

```
        <210> 3785
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3785
tcnnntgaan acctttacaa ctacntgttc tttttgcagg atcccatcga ttcgaattcg     60
gcacgaggaa aagaaaaaaa aagaaattta aaattctgtt ttagtggagt catttgaact    120
taagtctaag tttataacaa cactggcttc cacagcacag gaggtgagca tgtgttaata    180
tttaagattg gcataactcc ctttaggtgc aagtgttcag gccaaaatgt tcctgagcat    240
tttgattcct cctcctgctg cccatctata ccaagcccag aaactgtctg gaatatattt    300
tagtttcctg aatgacacca agaagtagaa cagtcttttc aaaaatgtat tttaaaaata    360
agctgaatct caagaatctg atctatagta taatgaaaac tgaaaagtga agtagtcatt    420
gggatactct actgtctcac ttaattctca cggcttccct gcaaggtggg taaaattgtt    480
cctacagata gtcaaattga gttttacagt tagaaaatga ttgggctagg atttgagccc    540
aatgtctgtc agattcctga gtttctgcta cttctactaa aatatgctgc ttcttgtgtg    600
tccngtcttc tgtttgggga caagcagatg atatccctaa caaaatcaat ttctttatta    660
ttattctctt ttaccttttg gttcccagca gtacaagtcc cagttttgaa gctcaaaaga    720
ctggtatgag catagctcat cgacgacatg gtg                                753
```

```
        <210> 3786
        <211> 791
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(791)
        <223> n = A,T,C or G

        <400> 3786
tccntnngaa nncccttaca agctacttgt tctttttgca ggatcccatc gattcgaatt     60
cggcacgagg ccaaatcctt cagtggatgt gaaaggaata ggagatgaat tatataatcc    120
agaaacacat aaacgacata ctttgttttg tgggacaact gttattcaga ctcgtttcta    180
cactggagaa ctcgtcaaag ccatagttgt tagaacagga tttagtactt ccaaaggaca    240
gcttgttcgt tccatattgt atcccaaacc aactgatttt aaactctaca gagatgccta    300
cttgtttcta ctatgtcttg tggcagttgc tggcattggg tttatctaca ctattattaa    360
tagcatttta aatgaggtac aagttggggt cataattatc gagtctcttg atattatcac    420
aattactgtg ccccctgcac ttcctgctgc aatgactgct ggtattgtgt atgctcagag    480
aagactgaaa aaaatcggta ttttctgtat cagtcctcaa agaataaata tttgtggaca    540
gctcaatctt gtttgctttg acaagactgg aactctaact gaagatggtt tagatctttg    600
ggggattcaa cgagtgggaa aatgcacgat ttctttcacc cagaaagaaa aatggtgtgc    660
caatgaagat gtttgggtaa aaatccccag ttttggttgc nttggtatng cttacttgg     720
tcattcccct ttcacaaaaa atttggangg ggggggoccn ttttgggngg atnccaccttt   780
ggaatcttga a                                                        791
```

<210> 3787
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 3787

```
nccnttttta nacccttttt nctaccgnnc tttttgcagg atcccatcga ttcgaattcg      60
gcacgagaaa agacttataa gccctctgat tgatctcctt tgttgttgac ttcttgatcc     120
tctttaattc aggaatcaca gttagatttc ttagaatcct tctttgtgct ccaagtatca     180
aagaccttat ggggctcccc agccataatg gaaaaagtaa tttctttaac aggggagaca     240
ccagagcaag agcggagatg ggggtacgag ggggtcctca tttatgcagc tggccagagc     300
tcctcatcca acccgggggct tagtgaggtg acagatgtga tgttggccaa tgtagtcttc     360
cttttctttc ttttttttttt tctgaggcag agtctcgctc tgtcacccaa gctggaacgc     420
agtggcgtga tctcagctcg ctgcaacctc tgtctcctgg gttcaagcga ttccccagcc     480
tcagcctccc agcactttgg gaggctgagg tgggtggatc acttgaggtc aggggttcga     540
gaccagcctg ccaacatggt gaaactccat ctctactaaa aatacaaaaa ctggccangt     600
gtggtggcgt gtgcctgtaa tcccactact caggangcag aaggcaggaa aaatcacttt     660
gaaaatcang aaggcngagg ttgcaantga ncctgaanat ggcaccactg cactgtancc     720
ttgggcaaca gggcaagaac tccatcaaaa aaaaaaaaaa aaat                      764
```

<210> 3788
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 3788

```
gnccntttta tnccatacng ctacttgttc tttttgcagg atccctcgat tcgaattcgg      60
cacgagccac tgctacagcc ttagtccaga nttttctctt tctcttatct aggctgttan     120
tatagcctan taaatgttcc gggccctcca gtctatttgt cattcaatca cttgtttcag     180
aaatattact aggcacttat tttatgccat ggcacaattc taggtgctga agacgacaca     240
gctgcgaata aaacagacat gggacctgtt cttgtggagc ttatacttta gtgcgtagag     300
aaactaaaca gagaggtatg aaagatagtg atgggacata attctactga aggttgggtg     360
atcaaagaag ctttgctgaa gagatttgtg ttgatgttgg tattttctaa aaacagatga     420
ccaatatggt taaatttggt tctgagggag aaggtaacat gagatgagct cagataatta     480
gacaggggcc agatcattta tatgcaaatt agattatgag ataacagaat ggtatatttc     540
cctcatccta tttactgcag caaatctctc cttagttgat gagactgtgt ttatctccct     600
ttaaaaccct acctatcctg aatggtctgt cattgtctgc ctttaaaatc cttcctcttt     660
cttcctcctc tattctctaa ataatggatg gggctaagtt atacccaaag ctcactttac     720
aaaatatttn ctcagtcttt tgcagaaaaa accaant                             757
```

<210> 3789
<211> 926
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> (1)...(926)
<223> n = A,T,C or G

<400> 3789
tncgncnctt ttnnnantag nnnnnntgnc nnntgnaann gntnnatgan gtnctnnntn        60
actatnatgt aannnagacn tncgcttana tatatcgngc nnnnananc nngtngtatn         120
atnannagng tgnctaattn gncanaaacg cctnnactga ggnacttgta nntntttgca       180
ngnncccnan gannncgaac aaatccatct tgtaatgaac ggnggaaaag ggccagcgag        240
accacacagc acatcaatgc catcaagcgg gagattgatg tgaccaagga ggccctgaat       300
ttccagaagt cactacggga gaagcaaggc aagtacgaaa acaaggggct gatgatcatc       360
gatgaggaag aattcctgct gatcctcaag ctcaaagacc tcaagaagca gtaccgcanc       420
gagtaccang acctgcgtga cctcatggct gatatccagt attgccagca cctagtggat       480
caagtgtcgc caccgcctgn tcatggaatt ttgacatctg gtacaatgag nccttttgtca      540
tccctganga catgcagatn gcactgaaag ccaggcggca gcatccggnc aggcattggt       600
ccntgtgaac aggattgtgt ctctgggaga agatgaccca ggacaanatt cagccaanct       660
gcagcagagg gtngctttcc tggagggccc ctgattccat ctgctttnan aatgccaaag      720
tnaanataga gcntnaagca taattacttg aaaaccattg atgggccttc agngggcccc       780
atagaaaaat nanaacctnn ttgnncagtt ccttnangga aaaagancag nnactcctac       840
cntacttggt agtgggagct gnttcaacca cnntgnccaa aaactngtan ccccctttta       900
nttcnattgn tgggaccca nncang                                             926
```

```
<210> 3790
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 3790
gnnncntttt gaatncanat acaagctact tgttcttttt gcaggatccc atcgattcga        60
attcggcacg agcattagtg taagtgcagg taattgcttc attaggacat atgtattgaa       120
ggagggaggg caagtctata gcatggtgat aaaaacaggc ctcaccctct ttctctaccc       180
acacagggag catctcagct tgacttcagg gatccaggag ccaccagcca ccctgtaaac       240
agcccagatt aatcctgggt ttcagtgtca tgggaggaag gaaggatgac ctagtaaaga       300
gcaacttact tactttcttt ggggtggtaa ctcattgctg aactctggat ggcactggtg       360
cgttcaaggc aatgtgattg aatcattggg gattattact gaattaggga gcaaagtatt       420
cttatggaag ctgtatgctt tctgaggctc accaggccgg atggcatgag ccctatcctc       480
tgtttgagtt atttgactgg ctttttaagg gagtctccat tttcattctg gccatgacag       540
atcaagaggt tatattctcc catcagacct tactactttc ctgtagagtt gaatattatt       600
ctgatttttat gccatgtctg tgaatgtctt tgtgtgcacc ctacctagtt atgcatctcc      660
tctttcaaaa gcatgttaaa agatccaata gtaaatgatt ctgcttatat gaagctacta      720
aagtagtcaa attcatagaa agtagaatgg gtgg                                   754
```

```
<210> 3791
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G
```

```
        <400> 3791
gnnccntttt gaatncacat acangctact tgttcttttt gcaggatccc atcgattcga      60
attcggcacg aggttactga tggagagagc agagaagctg gtgtttgcag tcccatctgt     120
cagccttgac acccctactc ctgtccagcc agtgtttctc aaagcgtgct gatgagcaat     180
gcaagatgat ttcatgttat agataagaat aaaaaaattg ttttgtgttt aactcaaatt     240
agaaaaaggc aacaattggt atgtgcgacc tgtggttttg cagatgatac tgcttaggat     300
gttggtactt aagaaaaggt caacttttca aaaatactat tagtgacatg tggacctagt     360
cctcctgaag aggactacat tggggcaccg gtaattgttt ctatttgcgg tactctggct     420
gtgtggctct ggccacgcca ctggaggcag tgtctgagcc tgtgacttga gtagtagctc     480
tgtgtcatgt ctgctgattc tccccaaatc ctgaagattc atgatgaagt gactgccggc     540
ttggtctgaa ctagattgaa aacaataagg atcccagaac gatagcactt tacaatccta     600
taattttggc tcaaattgcc tgcagttact atcttaaccc tgcctgttat gttcattgag     660
caccaaagtt tttcagtcaa ttcctgagta attattctct gggattgaat tatgaaatag     720
taaatatttc cactatgcaa tcaattggtg                                      750

        <210> 3792
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3792
gncnttttga ttccatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg      60
gcacgagcaa gaattgctgc tgctgttttt tttttaattt tatttttat ttttaaagac     120
tttcctacct tctcattgag agagagaaag atgcccagag ttaaaatagg aggtgcttgg     180
gtatttgtt gaacttcaca agttaaactg gcgaatggcg tccatcagct gttattcagt     240
ccttgaacag agcagatatg tttgtgcgag gacaaagaag atgcctcaaa gacaaagaag     300
aagatgcctc gtcgtcccct gagctcccac acggcatctg cacatcacca gctcagcatt     360
tagcacactg gattgacact gccatgttag gtgaggtgac ggcatgccct agagtgaagg     420
aatctacagc aatatgatag ctaaatgcca catgaagttc tggattggat cctggattgg     480
gaaaaaacat ggctctaaag ggcagtattg ggacaattgg tgaaatttaa atgtagtcta     540
tgtattangg gataatgctg ttatcaatta tacatttcct tctgttataa ttgtccttgg     600
tcacaccagg aaatgtcctt attaggagac gcatgcagaa gtcttttagg gatgaggact     660
tactgcagct tattctcaaa tgtttatata taaggtgaca aaaattaaga aattggtcaa     720
tcttggtgaa aagtttatga agagtaaagt                                      750

        <210> 3793
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3793
ngncnntttg aatnccttta cangctactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga gcctaggcgt agtcatttct ttattagtcc ttactttatt tttcaaagtt     120
acgtaataaa tgtctatgtt tctaagctat ctttagattt gtaaaagggc taaaatgtta     180
cttttaaaca tgtttggttt attcaaattt gtttataaat ctctcctttg tacccctggc     240
taccacccct ccccactcct ctgcctaaaa ctaagggaaa atcctgtctt tgcccatagc     300
```

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```
ttcagaatgt tctgcaattt tagactttta cttttaactg atcactgtta agcaagggag   360
gaaatttacc acttctcttt gtgatgtaat attgcacagt gaccctaagt ggaagccttc   420
ctgtgtcctg gatgtgagct ctgcgctgtc agtggttggc ttgtaagctc tggctccaag   480
tgttctgagg tgcaaggaac cgatcttgtg cagtagaaag agcttttgga agttggcaag   540
tagcaaggct agttctcata cattctatgc tctggccacc tttttctgtg gcaggaaaac   600
aaaacaggca aatgcacaca aactgggtac atttaacttt gcctcctgag ccatctncca   660
agccatttag ctttggatgg cctcaatttg gaacaaggga acaaacaaaa tcatgatgat   720
aacgatgatg accccagtcg tccttactaa t                                  751
```

```
        <210> 3794
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3794
gncnnttgan ttcnatacag ctacttgttc tttttgcagg atcccatcga ttcgaattcg    60
gcacgagatt gcttctgttt taatggtaat ttgtctaatt gtaaaaatac cgaagtagtg   120
attccaagtt agaaagtagt gatccctaag aacagttgga gaaacatatg gtttgttcta   180
tagctgtaag cggtaatttt gaagcaattt tgaaagcatt ctttcccttt aagaaaaaaa   240
tagtttctta ctgaaatgac tttttaggat gtcttgaaaa acgtagtgaa attcatctag   300
aaacttacaa ggttgatgct agccatcaca tgcatgctgc aatttgctga aatgtcttga   360
tccaggggag ctaaactttt acaaaaatag gtttgtttag aagtcatatc actacatgaa   420
aaatcaccac ttttgaaact tacggttaaa ggcagtttct cttttaaaaa tgtgctcatt   480
gattattccc acccaaatag ccagaatatt ttgtaattac ccattaccac tcctaccatc   540
tgaaacgtgc atgaaaaaaa tgaaaaattg acttcatctg aaaagagttg tgtcatgata   600
tatgaaacgt tttttgtaac ctccaggaag gaacattgca attttttccat ttcagatcgc   660
ctttgttttg ccattctcta cagcagacca aagagtgcat caaatgtaca ttatttcagc   720
atagataatg acttgaatat gagaagtaa                                     749
```

```
        <210> 3795
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3795
gnnntttgat tcccntacan actacttgtt cttttttgcag gatcccatcg attcgaaaaa    60
aacaaaaatt cccataaaaa aaatagatgt ttctnacatg ttgagcatat atggatttca   120
tttttaatat gattgtagaa acattagatt taaagcatat tgaaaaagaa aacagtatat   180
tctttaggag cttcaaaaaa gggttttggt ttagttcaaa gggtgaaaga agatctttta   240
ttattttggt aaataacttc taaggaaaca aaccaccctc acatgcacta tctcatttgt   300
atttctgtca attctgaaag gccagcattt ggccagtatt atttgaatct gtattgtatt   360
ttttaaccag aagaatgaag gtttatagct tcattctttt ggaagaggag gctggagacc   420
acaggttaaa tgcaggtgca tcgctcttgg ccggccctgg cagggtcctt tctccctcct   480
tttacacgcg cagacaaagc ttgtggatgc tcaataagga cagctgccgt ttggacagag   540
attaatcatt tatttgtgaa ggttttttct gccttgcttt cttggtcttt tttaaatctt   600
cacattggtt tgatcccaaa atgtttgtgt tgtccttact caaaactagg aaaaacaaat   660
```

```
tatgtggtaa gaagctcaga gccacttact taaatctcaa ctagatttat ttgtgagaac    720
atctgttttc tggatattta nacacttcct ctt                                 753
```

```
        <210> 3796
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 3796
gnncnntttn aatnncnata caagctactt gttctttttg caggatccca tcgattcgaa     60
ttcggcacga cacagcattc gctgaccatt ctcctcctcc acccaccaag gacaggaggg    120
ctaacccagg cagagaacct acgctgagaa ctcaccacca gaaaaaatat ctgcttttaa    180
aagcacagtg cacaatagta ctttttaaaa gctaaaagag ctaagtttaa agttaaagac    240
acgtatgttc tttgacacag atctcctaaa agtctgacaa aattagaagt accagcacat    300
aaaaatagat gcccaagaat gtttattgaa aaaagctgaa aacccatgac tatctcaata    360
ggacaatgac aggatacaca atggtttatc atgccctgac ctgcgagcag tgaccaagaa    420
ggagggcaca gatcacacag cagacagaca gatgctctga ggcttacgat ggggttatat    480
catgatgagc ccattggaag ttgaaaatgc cgtaagtgaa aagtgcatgg caaactggga    540
gctgctgccg ctgctgctgc ccacatcaca agagaagtac agtttctgaa tgtctattgc    600
ttttgcacca ttgtaaaaag ccacaaaatc atataggtcg aaccattaag tcagagaccc    660
tctgtgcata gacttggcat tggcccatga caagtgaaaa gagtaagcta cagaataata    720
ttcatccatt cttcattttt ataaaaccac ttttt                              755
```

```
        <210> 3797
        <211> 745
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(745)
        <223> n = A,T,C or G

        <400> 3797
aggnttnntt tntgactcat gcttggnnta ntngttcttt ttgcaggatc ccatcgattc     60
gaattcggca cgaggttacc tggggggcnt ntgggacgtc aacagccaga tgctgacggt    120
gctcagagcc ttcccttgtc ggagccggct cggggacgca gagactgcag ctgccatcga    180
agaggagatc taccagagcc tgttcctgcg gggcctgtcc ctggtgggct ggtaccacag    240
ccacccacac agcccggcgc tgccatctct gcaggacatc gacgcacaga tggactacca    300
gctgcggctg cagggctcca gcaatggctt ccagccctgc ctcgccctgc tctgctcccc    360
ttactattct ggcaacccag gccccgagtc caagatctcg cctttctggg tgatgcctcc    420
tcccgagcaa aggcccagtg actatggcat ccccatggat gtggagatgg cctacgtcca    480
ggacagcttc ctgaccaatg acatccttca cgagatgatg ctgctggtgg agttctacaa    540
gggttcccct gacctcgtga ggctccagga accctggacc aggagcacac ctactngaca    600
agcttaagat ctccttggcc agcaggacgc ccaaggacca gacctgtgtc aacgtnctgg    660
aacaagtgtg ccggcgtnct tcaagcangg gaactgacct ttcaaggcaa ggtgggcttc    720
aattgtcttg aaggtccgga tggct                                         745
```

```
        <210> 3798
        <211> 784
        <212> DNA
```

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```
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 3798
nggccntttt tgaaaaccct tttcaaacta cntgttcttt ttgcaggatc ccatcgattc      60
ggaaatccct ctcctgacca cttgtcagaa atcagaaagt gtggaagaag aaaatattag     120
ttacctaaat gagagttctg gggaagagtg ggattcctct gaagaagagg actctatggt     180
gcccaactta tcgcctcttg agagtcttgc ctggcaggtt aagtgccttt taaaatattc     240
cacaacttgg aaacctttaa atcctaattc ctggttgtat catgctaaac tgttggatcc     300
aagcacacca gtccatatac ttcgagagat aggtctaaga ctctcccatt gttcccattg     360
tgtccccaaa ctggaaccaa ttcctgaatg ccccctctg gcctcttgtg gagtcccacc      420
ttttcaaaag cctcttacaa gtcccagccg gctctctaga gatcatgcca ctctaaatgg     480
agcactgcaa tttgccacca aacagctaag ccgaacattg agtagagcca ctcccatacc     540
tgaataccta aaacagatcc ctaattcatg tgtttctggg tgttgctgtg gctggctgac     600
taaaanagtt aangaaacaa cttgtactga ccccattaac actantttat ttttacattg     660
gncttccaaa agggcaggtt naacaaactc cntaacttgg anttccttgg aaaaaaaccn     720
nccntttggc ctctgaanat ctnnngnngn gggctaaatt gganaaaagn gggtcccaaa     780
attt                                                                  784

        <210> 3799
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3799
gcnnttnatt anatcagcta cttgttcttt ttgcaggatc cctcgattcg aattcggcac      60
gaggacaaag caaaacatca acattaagtc ataggctagg attatacaaa tgagaacccc     120
caccttatac attacttaat ataagttaac tacaaagagc ctctccactt acatttttat     180
catgcatctt acattttaat gtccttattc ttttatagaa aaggtcataa tacccaataa     240
aaaagaatct gtaatatccc tgatgcagca acaattgatc acatgctttc acatgtgacc     300
acaataggaa taaaataaca gcgtaaagaa atttgaaagt tgtattacat cattattcac     360
tgttcaaaaa tttttttcaa gaaacaagta cactttcaat gaaattacaa tgcttcagaa     420
aatctccctt ttaaagttat atacaaaaac agctttagtt gtggattcat ttttatactc     480
aatactctga tttagtgtaa tgtctgaagt gtcagtgcct tattctagtg taaattctca     540
tatttacgta aaatcaattt tgaattaaat attttttca tatttacatc tgcaaaaata     600
tactttagta taaactctct gatgttttct aagctataga ttttgaaaaa aaaagtcttt     660
ccaaattcat tatatttgca ggactcttct ncaatataaa ttccatgatg tggaataaag     720
ctggagcaac tgcttcangt tttcctctag                                     750

        <210> 3800
        <211> 742
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(742)
```

<223> n = A,T,C or G

<400> 3800

```
gaaattcata canctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag    60
atctgttact acttcagaaa ttgctggttg atgttaggcc cctcctatct gtgctctctc   120
agctacagtt tcccgtttga gcatattcat tctttttat ttttgctctg aacaaaaata    180
ttagagttac aatattacta tattccaggc cttgctagaa actggggata aatctatgaa   240
tatggtcgct tccctggaag acctcacagt ccagggaagc caaaccctgc agacatgcag    300
tagacttagt ggtctctctt aaggttgctt gttgagtttt gacattggag attatgtaca   360
gacttgaatg actagttagc ctcaggcaca gcattctgtt tggcnttggg gggggggggn   420
aantactgcc tctcagcctg ggcaagtcac ttagagatcg cctcgtcact ctnccatcct   480
ttgctgatgc ctctggtcta ntacctctga ctcagcttcg cctttagaga tactcatgct   540
ttctggcaac agaggtcctt caaaccccaa ttcctattaa aacttccatc acttaccgcc   600
cttcttttc aaggggacca agccagnttt attnccccca ttttnccagg tnacttggtc      660
ccttgggccc aanaatgtgg tggaaaattt ttggggcaaa attcccntt ttttccttn     720
tttttnttg ggancttcna nn                                               742
```

<210> 3801
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 3801

```
gntnaatttc aaagacgctn ttgttctntt ngatgntcnn ancgactcta nttcngcacg    60
agtggcagtg ggagtcgaag cgagggtctg aagttcacga ctactagaag gggaggggag   120
tggaaaggct ctcagtgaaa aangtattan aattatttct gaattatcag tctctcattt   180
gtgctttgga gaagcanaaa aggcaaaagg ggtctttggc catcttctgc tggagcttcc    240
agggaggatg tgtctccaan agaccagatg tccgagtttg aaatcccaga acccangagg   300
aaaagaatca cagggaggaa aagactgtcc aaaggctcct ggagtcttct gttctctaac   360
cttggaangt tttgaacaat atttctcana ngatagccct ttttttccaa cctttttttt   420
ttntcatctg tccagcatga ctcatccccc gggagtggtt gaatgtcttg tctttcaccc   480
aagaaaggac ggacttttgc attgggcttg taaatttggc ccactggttg cttaatggga    540
agtaaaaaaa agagtcnttg cttaccatgc cggggaacct anaaattacc atcactggcg    600
tttttttngc ttttggttct tcaatggggt tggtagggtt attgaaatta tttantttnc   660
caaanaaata aaaaaatggg atttttaaaa aaaattttc atccccggn nnaantttt      720
ngnnnnnngn nttggaanng ncnnngcncn ntattnannc tttnnnnttt nnnnnccntt   780
ttttt                                                                785
```

<210> 3802
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 3802

```
gttganttg aanccctctt gttctttggg aaggctccca tcgattcgaa ttcggcacga    60
gagatgttat aaaatgtgta ggctttttaat atataagtta tttgggctcc tttgttttgg   120
```

1152

```
gcatacttna aacagaagaa aacccccttct gggggcagaa aagctagaac tggatatcac    180
agttccctct gggtgggctg ctatgtgtca attcgatctc cttaaaagaa aatngtggta    240
gcctaaaata gggtctttct ttaccacaag ttagatcccct ggcagcaatc tacttctcga   300
aacagaataa ccattcaact atgacagcta tcttaaaatc atagactgta aataatattg    360
gggcacttct acatatcata gaaaataatg tttcaaccag aaaacatctt accttttaa     420
agctttccnc cccctaaag aaagacatcc aatagaagtt gccacttctc catttatcaa     480
aagtaaaatc tacttccatg taggnccggc nacttcttt taccttncag tcaattctta     540
actatttaaa gactaaaaca aaataactta tctgnntttc cattttacta cagtaaatgg    600
gtattaaaaa tagttcacat ggctttttctt tttaaattca aaagggtatt aacctgggat   660
ggtggaaaaa cccaccttta nccacacctc cttaaaaata ccttaacctt aacttnctta    720
aaaccaattt acccaganca actnggggc t                                    751
```

<210> 3803
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 3803

```
cttaattcca tcagctactt gttctttgna agcattccat cgattcgaat ttcggcacga    60
ggccatcctt ctctctggct gtagactgag gctttctctct tgcttcaagt cagagcagna   120
tttgttgatn acctnncaat aatgtttggn nnacatgcca ntnattaaat taattcaaca    180
tgaagttgaa tttgatgaaa gtggtcatcg tatccangta ttnggctttt gaangttttg    240
cangtnaatg gagatggaac tcnccctgnc acacacnctg aactncantg gtgcaatctt    300
tgnctcactg caacctccgn cactgggctg gagcaattcc cctgcctcan ccttnaanta    360
gctggaatta caggcatgtg tcaccananc ccgggggtta aaattnttttn ttttnatttg    420
aggaaaagcn gggtcaccat gtaggcatgc tggtntcnaa ccctgacct nangtgatcc      480
acctgncntt ggccttcaag gngctgggat tacaagctta aancaccatg tcagccagcc     540
aagtattngg nttttnaaaa atttgannt tcntttgcgc aaagggaata naattttcct      600
nctgggtnaa aaagaaacct tttnaaagcc cncccttntt ttcaaaanaa aaaatttaa      660
anttcnttttt gggnggtaaa acctggcctt naaaacccct ttnacttggg caaaataaat     720
tttaatttt ttncccccctt tnantttttn                                     750
```

<210> 3804
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(711)
<223> n = A,T,C or G

<400> 3804

```
ttnatttcga nacnnctctt gttcttttg caggcatccc atcgattcgc ccagctacat      60
gggaggctga ggcaggagna atcacttgaa cctgngaggt ggaggttgca gtgagccaag    120
attgcgccat gcctgcagcc tggcacggcc agngnctcct tgtcaaaaaa aaaaaattaa    180
tnaatgcctt tggctaaacg taaaagcntt tnttggacca ncttaatgct taaaatctgt    240
tttngttcca ggtgggttgt taacagggac tcatttttttt ggtcttggat anggatcccg    300
gctactcaaa cagaaaatgg aaggaggaat ctggttaaag aaaacaccag tntccagaat    360
ggtgaagntt tggnaagaaa actcctttct tgctcaaaga aaaatttaaa aggttnggnc    420
ctttttcccaa aaaancccna cactttttttt tttcttgant gaangggctt taaaatttct    480
```

```
tnggaaatag ttttaccaaa aatgggattt aaaaaaatcc taccgatcaa gatgagttca     540
gctagnaagt cntnccncct caggatcagc ttaagtattt tacttgattt ttttaccaaa     600
tcaatgcncg tacctacctt aatccttnaa ataagtttan aatttaccta accccaaagt     660
ccaggagggt gttnttacca aaaatagct ttntcaaggg ctggcnccta a             711
```

```
        <210> 3805
        <211> 668
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(668)
        <223> n = A,T,C or G

        <400> 3805
tganttcaat ccgctcttgt tcttttgca ggatcccatc gattcgaatt cggcacgagg      60
gtggtcatcc ctaccttgtt cctaatctta gggagaaaga atttgtcttt caatgagtaa     120
gtctgatgtt acctntggga tttttttggtn natgctcttt atgtgtttga ggaaaatcct    180
gtctactcta gttttttagga aggangnccc tngaatcggt gttgnatact ntggcgatat    240
canaatngct atggnnggng ncnngnttat ncncattaag ctcggaaata ngtggtggtg    300
cgacatcaca atgaccnata cantactgna ngggccctag cnnccaatcc ttanggttcc     360
nnncatttnt tctggctcng aatcaactgc atggncantn ngccccccna nnngaantan    420
ggaaggannn tcacataggt acatgtgact atccttactn aatctggctn taaaaacatg     480
gtcctnnaca tnaacatntt anancatact ttgcagatnt ttgcggnctg cnctgaaatg     540
tcccataaac aacntnntta cttnanggaa aaaanatact ccatgggggn naaanaacca     600
tggaggaang aaggnaaagg gccccncatg ccnctgcang tttancaagg gcagnttatt     660
tattctta                                                            668
```

```
        <210> 3806
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(707)
        <223> n = A,T,C or G

        <400> 3806
tgatttccat nnngntacnt gtctttntgc aggatcccat cgattcgaat tcggcacgag      60
gactagaaag aggccctgcc ctctagaaag ctcagatctt ggcttctgtt actcatactc    120
gggtgggctc cttatcagat gcctaaaacn tnttgcctaa agctcgatgg gttctggagg    180
acagtgtggg cttgncacag gcctacagtc tgagggaggg gagtgggagt ctcatcaanc    240
tnttnggtct tggcnttatg gcnaccactg ctcacccttc aacatgcctg gtttacgcac    300
natcttgntc atgggaagag gtnggtggna gactctcana gctcaagatg ctnagagaga    360
aagntccctg aactgggccc atctgacttt ctacctaccc cattggtttt tttggcncct    420
tttntcccac tcaatanctt ctggcagnat nctcctgagc cacatgtgcc angtactgga    480
aaaacctnca tctttggcnt cccaagagct ntanggactc ttcatcagca ctagatttgc    540
ctcntctaag tntctatgan ctcgcaccat atttnataaa ttgggaatgg ggtttggggt    600
atttatgcnn ncctataaaa actatactga gtcgtntttc gnananncaa nacnttataa    660
gnatncattt gatnnanttt ggnccccccc ccttcttana attnggn                 707
```

```
        <210> 3807
        <211> 698
        <212> DNA
```

```
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(698)
        <223> n = A,T,C or G

        <400> 3807
ttanttccat acagctcttg tctttgtgca ngatcccatc gattcgaatt cggcacgagg      60
tttgtataaa ggttgtcagt ttaatattca agcaattaat aaagacaagg tgtgagtttt     120
tctgttaatg cacctctgtc tttaatgtgg aancaccgta taaccatgca tcttaccata     180
attggggtgc atgtctgtgg tacatgggca caaacatttt tctttcagcc ttgtaatcac     240
atctccaagt aatctaagca aaaaagaagc aaaatctaag ccagtggaca tgctganggc     300
tatcttaagg gcttctggaa tgacaaaggc cagaaatcca tcttcatatc attttttttt     360
tttttggaat cnaggtcttg ctattgttgc ccaagcttaa aaaaattggc ccggggggggn     420
ngcttttcna ggngcnanat agttaatgna tcctttaacc tcctggggtt aaangancccc    480
cctgcctcaa nccttttggg gaacttggga cccaaggngc nccnccccac ctgggaantt     540
taaaagcatt tttatataaa aaggggaagg tgggctgtng ncttttcctn tttacctttn    600
aaacccggga atcaaaaaan aaggggcaag nggggatttc gggccataca agccngggtt     660
tggggtccct ggggggaaca tttttttttt tttttttta                            698
```

```
        <210> 3808
        <211> 639
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(639)
        <223> n = A,T,C or G

        <400> 3808
ttccatcngc tcttgttttt tgcaggatcc ctcgattcga attcggcacg agacactggg     60
ctcaggggct gagccattgt tgggtgctat tacttgtgtt gggaaccaat anggaacaga    120
aaacaancaa aacactaacc agagaancgg gcttattgaa tnctttgcac ctaagaagat    180
taagaggaaa aggaggaggt tagagttggt gccntctgct cctccggtgt ctgagtgttg    240
ataagaaaga tagatgttag anggtagcag aattgtgttg caagaattaa agccaccagc   300
agatgagact tggaccctaa ccaattcccc aggagaacct gtgaaaaatt aatgtcttga    360
agtaatggac atcaaaagga gcacttattt tttggaattt ggnaaaangc tctagatcct    420
taggaggatc tattttgctc atttgnnggt gagaaactan attcaaagag ataagtactt    480
gctcatcatt agtatggcag agccaaatca actagatgta acntgtctta aacaccgact   540
gtaatgnaat ctataactnt actggagatc tncaataaca gcctcagtga ccttgaaacc   600
cncagtngtt agtaaatatc ctggttttcc tgatttagc                           639
```

```
        <210> 3809
        <211> 727
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(727)
        <223> n = A,T,C or G

        <400> 3809
nntttgaant ccaatanata tatngctant tgtgcttnat gccntangat tcgaattcgg     60
```

1155

```
cacgagccta cctcaccagg ttgtcgtggg gagtgaacaa ggtgagtggc cctcacctac       120
agactcaaca tatggccttt ggctcttccc acttccaaga gtcttggaag ggatgggtcg       180
agcaagcaga ggaaaggaag atgtgagttc ccaaaatgct cctcaccttt ttcttctgag       240
tgggctcctt ctcactgcat tggagggctt gcggcgcanc atggtcctcc accctgggag       300
actccgtccc tgctctctta ggtgtcaaga tcagaggcct cttgcttacc taccagactg       360
cccggggca cggcatgaac cgagccttca gcttgccaac nttcnttggg aaccnttttg        420
gnntgaattg caanttgggg gtgcnggcca tggacacccc ggcagcaacc agcatacaag       480
aagcccttgn cacgtgacct actcttacag caatcgcagc cctgccggcc ctanggagga       540
aggaagtcca acttcagtct cagagattct gatgcagtat atcaattgng ggttggctgt       600
ggccaagaat ttttaataac ttttnaaata acctttcttt gggtatttac caaaaagccn       660
aacttggtan tttggtcaat acaaattttt caccaaaacc ccctttaaan ccaaaaaaaa       720
aaatttt                                                                 727
```

```
        <210> 3810
        <211> 728
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(728)
        <223> n = A,T,C or G

        <400> 3810
nttcnntttg aanccttaca nctcttgttc ttttgcagga tcccatcgat tcgaattcgg        60
cacgaggtcg tcggttttct gagggtactt cagctgacag agagattcag agaacgttaa       120
tggaggtaat atttggtaaa gggggtttat aaagaaacca atgtttatta aatgaagaac       180
tgaacattgc atatttgata gtcaaaatat atagaacatt ttaaatgaaa tatgaaattt       240
gaaaatattg tcaggaacaa acatgtttct ctatcacaaa ctctaagaaa atgactactg       300
gaaaataagg ctatctgcca aattccattt ggtatacacc tgtactattc tgtgtttttt       360
gagtagatca gtcattcata tatttaaatt cttatgaatg tggaatcctt ttgggccgnn       420
gcgagttatg aagacatttt tgnnatggca tattaagact gttggcaata aatgagctta       480
attatgtatg aagctgctct aaaaattatt ttttctctca ctttattgct gagactgagg       540
caactnaaat agntttgata attggaagan gatnnatgac agaatgaaaa gaatgcctta       600
aaggnccttt ccttccnagt ttttaccctt tcccccactt cccaaaaatt cttntggaaa       660
aggtggaatn ttcaaaaaat tnccaanta ccattttttc ccacctttca aaattgggaa       720
aacntagg                                                                728
```

```
        <210> 3811
        <211> 931
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(931)
        <223> n = A,T,C or G

        <400> 3811
gnntnannac ngaaactntt naactcctgt tctttttgca ggatcccatc gattcgaatt        60
cggcacgagg tggctgttaa gaaaacantg gttttttctt ttaaggtgat catttcatgt       120
tcctatggta tggatgcatg tagacctttt angaaacagt taatgaagtt taatctgctt       180
atgtggaagg aaaaggtttg aatggaaaag gcttcttggc atgcaacgga anccgccctg       240
cttttcccc gatgtgtcta tttaggaaca tttctgtgac acttgccttg gcgtctgcaa       300
cctgctacgt ngctccttga tgganggaan aagcctggcc gtggtanagg aaagctgag       360
ctctgttggg aaaatgagag ttcctattgg agaaatgcct ctgggcaacn tgnctggcct       420
```

```
ttnccnnaaa ngtttggggg ccgacatagg ctgtgtacaa gccanagtcn aaggtattaa    480
aacctaacca gccantgcag aagtcagntt gggaggttcc nggaaagtgc ctaaactaag    540
gcccnaaaag gaccaaangg gcccggcncc cccaggggta nttaaaaaaa ttaaaaaaaa    600
tccancccct ccaaaggncc cttaattntt ncaanttttt cccctgggcc ccttaattcc    660
ccaattcctt tngggncctt tnggggaag agcccnttna aaattttngg gcccancccc      720
cctttttggg ccntttnaaa aaaaaggngt gggnaaangg gggntttttt tttttttggg    780
nccttttccaa attgggggna aaaaagggc ccttgggccc cctttaaaaa gggggggccc    840
ttggggtnaa nccttttccaa ccntttaatt tccccccaa nttttaaatt ttttgncccc     900
tttaattttn aaaaatncct tnccccccat n                                   931
```

        <210> 3812
        <211> 798
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(798)
        <223> n = A,T,C or G

        <400> 3812

```
gggccntncg tnacccttt gaaactaccc gnncttttg caggatccca tcgattcgaa       60
ttcggcacga gnaaagaact caaagggcag caatncnttt aagtaaggaa accagttagg    120
agataattgt ggtaatccag ggaaagaaag atggcagttt atactggggc attgccagtg    180
tggatagaaa tagatctcag aagaatttta ggaagtagaa gtggcaaaac ttggtgactg    240
aattgtgagg gcagaagtgg gagaaatcaa ggatagagtt tcttaaacaa gctttggtga    300
agacagggac tacccctattt gctgtcatgt atccacagct tagcacaaat ctttatacgc   360
tggagatgct tgataagtac cgagtgaaat tttctggctt gagtacccan ataaatggga   420
tgccagtctc tgatttaggt aacacagagg cagactcact tgggaggtaa ctggtgattc    480
anttttaaac atgtctagct caacatgcct gtgaaacata cacatgacaa tgtccagata    540
cattggcaat tnggatgaat tgatttctgn aactcaanaa agagaggtct gagatgggat    600
tctttgcata ccttaccaaa aaaaaaaagg tttntgtttn tttngnaant naacncgntt    660
ttntggccnt gttaatccca ntnncttng gggaggccna ngnncggggg ngtnnnccna     720
agggntcngg nntttaanan ccntccccan cccaaaatag ggngnaaaac cctttttttt    780
tttaaaaaaa aaccttcn                                                  798
```

        <210> 3813
        <211> 465
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 3813

```
atganncttt tacaanctac ttgttctttt tgcaggatcc catcgattcg aattcggcac     60
gaggagaatc ttatattttt aaaattgtcc ctatgttaaa tccagatggt gtcatcaatg    120
gaaatcatcg ctgttcttta agtggagagg atttgaatag gcagtggcaa agtccaagtc    180
cggatttaca tcctacaatt taccatgcta aggggctgtt gcaatacttg gctgcagtga    240
accgtttacc cttggtttat tgtgattatc atggccattc ccgaaagaag aatgtattta    300
tgtatggttg cagcatcaaa gagacagtgt ggcataccaa tgataatgca acttcatgtg    360
atgttgtgga ggatacggga tacaggacat tgcctaagat actgagccat atcgccccag    420
cattttgcat gagcagctgt agcttcgtag tggaaaaatc taaag                    465
```

                                 1157

```
<210> 3814
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 3814
ttcatttann ctnttttttt gcaggatccc tcgattcgga agagcttctg caggggctga      60
gcagacccca gggcctctta gccaatcccc gggcctggtg aagcaggcga ancatatggt     120
cggaggccng caactacctg nacttgccgn caagagtggg caatcttttn tgtctctcgg     180
gaangnccca annctcctcc cccaanttga nanaaaaagn aagttntggt naacccancn     240
taagccataa gttcccctgg ggccctgggg ganaaagnct tcaatcacng gccaagggc      300
ttctggnccc cattnattgn cttggacaag aactctgggt cacaagtctt gctnggtctt     360
gctggggaan cccnaccnga cattgggccn cagacttgct ggtcttnttg ggaagaaggg     420
caagacccca aaccaagatc caaaatacac ttncagctct taaccaaggc ttnctttcaa     480
gtcacaagtt gttgccngaa atcagtaaca agaagt                              516
```

```
<210> 3815
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 3815
attcattnca cnnctggttc tttntgcnag atccctcgat tcgaattcgg cncgagagct      60
gggggtgact acagctcacc tgcagctggt gagcaacttc aangcgtgag acccaggtgg     120
gccgggcctg gacccctgtg ccatggcaac nntgatattn cagangtntg nnntangcnc     180
atnactgtnn nnggtnnttn tctaggnngc cttaanttan cacatcnnnn tncttcgnta     240
gnnnaaatgn cctcntatna gcatnccttc cttcnctgan tgntnnatga gagcatgatn     300
tataatgcct gaaagancct gggtnngnga ttatnnntna gttaataaat nattctnanc     360
actatcacat gntgantgcc ctnctnacnc ncctngngna aagagaanac tgacaannng     420
gnntanttnt antncctngc caanancnnn gttaccagcc t                        461
```

```
<210> 3816
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

<400> 3816
tntacgttca agctcttgct ctttttgcag gatcccatcg attcgatgcg cttattaggt      60
attttatctt tcaaaaatat atgtncccaa ctgtgtttgt ttgtttcctg actgtgaaca     120
ctgaagagga ctagatcaaa aatgaccaat tgagtagcaa ttgaacattt acagtgctgt     180
gtgcagtgaa cttctgtagc acccaaattg tggggttggg gaaaaaccat tccaccttaa     240
```

1158

```
aagaaaacca agcctttctg gcaaaattgc tgattctagg ttttggccaa gaaatgtaca      300
tgctgactgg aacattgcat aacagttagt aaggaggctg ttaaagacta tttagggtca      360
tttcagaaag actggagaaa tgactgtaga attcccactg gcccagagat cnggtagaaa      420
cctgtgaagt gtgtttaaat tcttgagttc ataatgggta ttttaa                    466
```

        \<210\> 3817
        \<211\> 459
        \<212\> DNA
        \<213\> Homo sapiens

        \<220\>
        \<221\> misc_feature
        \<222\> (1)...(459)
        \<223\> n = A,T,C or G

        \<400\> 3817

```
tgccntncag ctcttgttct ttttgcagga tcccatccga ttcgaattcg gcacgaggag       60
aaactgcatt ttggggggggt ttgaaatcca aagaatgcag tttgtaggca gtcgagatcc      120
ttgaaaaatc aagatggatt ttaataatgt attaagaata aattggattt gaatcaacac      180
aggaaacagg gattttactt agagactatt tcagtaattt tgaaatcatt gcccaagatt      240
gtagttggtt tgtttataat gggtaggtta tttatttgtg aatcccaaat gtnctccatc      300
aacattccat tgaataattt acaaaagcaa acagcagggg tttatgtttc tcttctccta      360
gttnaatatt gtggcagcat atcatacttt gttttagact aatttaacag gagttaatgt      420
ttccaagtaa atcattatta tctaaacagt gtctttttn                            459
```

        \<210\> 3818
        \<211\> 465
        \<212\> DNA
        \<213\> Homo sapiens

        \<220\>
        \<221\> misc_feature
        \<222\> (1)...(465)
        \<223\> n = A,T,C or G

        \<400\> 3818

```
nnntnnctan tcaagctact tgttcgcagg atcccatcga ttcgtnttca tncangggt        60
anatgaaaag gcngaatgga ttttattnng agccgtgnga cgtgccgtca gaggctntct      120
gtncttcctc ctcacttcag cgcnnantgc cacncccaan aaacgggatt ctaccngnct      180
gnnngcncgt ccgnnctgct acctcnngtg cccatgcatc gnntntcacn ccaagaaaga      240
ggctnccttn ctcnnntnct tcattngtac atagacnaat cccaaaaaaa nnatgaacnt      300
nagcgcaaga gncnttgact cccagggaga tancgacngt agctcttctt cctcaaaata      360
atgcatgatg atgcngcata cacnttataa ccaaantatg ctngccttnt aagcnnacgn      420
ctgtccntcc nacactatna gaggcngaag cnnacntgat ctcct                      465
```

        \<210\> 3819
        \<211\> 469
        \<212\> DNA
        \<213\> Homo sapiens

        \<220\>
        \<221\> misc_feature
        \<222\> (1)...(469)
        \<223\> n = A,T,C or G

        \<400\> 3819

```
tannatcctt ancnnnnnnc tacttgttct ttttgcagga tcccatcgat tcggcctaaa        60
attagagaat tatctgctca gtccttattc ctgcagaata caaatgtcac attctaacct       120
gttaagagat tgtcttcaaa ataaaactgt tattaactac attaatgtta gacaaagtac       180
actttagggc aaaaggcatt attagggata gatttcataa tgatagagtt ctatagtaga       240
atatagtaat gcaactgaac aaaatgaagc tcattccact gcatggaaga atctcacaga       300
tgtgatgctg aacaaaggaa gccacgtaca aacacttact atataatttt atgtacatca       360
agttcagaaa caggatagtt acctttggga aggaggtaac tgaaagagta tgaggagggg       420
tttctggtat ctggttaatg tactttgtac cagttaccca ggagtgttt                   469
```

```
        <210> 3820
        <211> 462
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(462)
        <223> n = A,T,C or G

        <400> 3820
```

```
gatnccaatc anctacttgt tcttttttgca ggatcccatc gattcgaatt cggcacgaga        60
caaggacaag aaagaaagta cggttgcaac ggctggctcg catgcatgcc gacatgatgg       120
aggatgttga ngangtatat gccggngaca tntgtgcatt gtttggcatt gactgtgcta       180
gtggagacac attcacagac aaagccnaca gcngcctttc tatggagtca attnatgtnc       240
ctgatcctgt catttcaata ncaatgaagc cttctnacaa naacganctg gaaaactttt       300
canaangnat ngnccggttt accagagaag atnccncatt tnaagtatac tttgacactg       360
anaacnnnga gacagntctn tctggnatgg gagaattnca cctgcaaatc tatgctcana       420
ngctggaaag atgagntntg gctgncttgt ntcacaggaa ag                         462
```

```
        <210> 3821
        <211> 464
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(464)
        <223> n = A,T,C or G

        <400> 3821
```

```
cttnnttaga tacagctact tgttcttttt gcaggatccc atcgattcga attcggcacg        60
aggattcatc ttcttgttct ttaaaagtca aaaggctttt tgacctttaa ataactctta       120
catctggtca tcactgttga aatgttctac taaattttca gagtggaaaa gttttaggct       180
taaaactgac tggtaaaaat agaatatttc tttgtattga ttttcagta tagctgtaca        240
gccagttatc cttcgttaag tgtttcggta ttaaaactgc tcacatttgt aaatattgag       300
cagctttatt gtcagaacaa gaatcccttg gtttcccaat ccccaacttt taacattgta       360
attaaacatc ctgtataacc tattttattc tctgccaaac aatttatga ctgctgtttt        420
tactctttgt gatgaaaatg ggatggagaa gataaggttc tttg                       464
```

```
        <210> 3822
        <211> 463
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

● ●

```
222> (1)...(463)
<223> n = A,T,C or G


<400> 3822
attncaatac aagctacttg ttctttttgc aggatcccat ccgattcgaa ttcggcacga      60
ggcantagct gtggggatgg agaaaagtgg acaaattaat tagagagatt tagaggcaga     120
ttggtgattg aattgagcag ggcagtgaga ggattcccag gtttctgact gaggtgtcta     180
agtggggatg gtgatgaaag ggggaatatt gggagaggat cacgtttgga gggagactaa     240
ggcaccatca gtattctaga gattagaggg ctgtgagaga attgtgatan gagggatta     300
ctctttggca gatatccaag cgtggaaggc ctgtttgatg gactgtcctt gataatcaca     360
ggcaggtata ncctcaaggc tttgaggatg gctctaaagt acatttcaaa caccacctcc     420
tccacaaagc ctttctacta caactccatc ccctgagtag agt                       463


        <210> 3823
        <211> 470
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(470)
        <223> n = A,T,C or G


        <400> 3823
anaatacctt tacaagctac ttgttctttt tgcaggatcc catcgattcg nananataan      60
aangnnaaaa tncagcaatg gtncacaggc tnncncctaa nnnatctgcc tgctgncatc     120
agagccnatg tnctgggcnt nntntctggg gntacattat ttaggccant ntatcanggc     180
caacccctcc anctgnctan tagangccat gnccactngn taattcaagg gcccagctcc     240
aggnnngttt ncttctctng gggancatca gttnncttnt nnntaccacg ncattcccat     300
tngcatgttn tngccgctnn tcttaataga taatatnnaa accctnattn ctcncgctna     360
ctaantacca tcattnatnn agtaaaanat ctnanaaaag nngncaancn agnngntnnt     420
gatnctnctc ctcccctccc ccacctgtgt ttttaanaga caggattccn                470


        <210> 3824
        <211> 465
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G


        <400> 3824
ttanttcnat acaagctact tgttcttttt gcaggatccc atcgattcga attcggcacg      60
agaattcata aaaggagtta gttgcagtca tgtgtggcct tgtctagaag caaaaattat     120
aatatcaaaa gctctacgta tgaattgggc cttaatgtct ttgtactcat ttattctttt     180
attgaaaaaa agctctaaat gcctattttg tgtcacataa ttgagatttg ctttgaaatg     240
tctgattctt tactatagta ctatctgagt tgttcacagt ggtatggtga tccatactct     300
gaactgttcc attatctgga attaaaggca tataataaaa agaaatagac tgtatttagt     360
ttattctagt gtaataaatt gaaaagtaaa tagatgatta gaagcaagtg ttccaaataa     420
aaatttatca gcagtataac aattctatca ttcattccaa cttgg                     465


        <210> 3825
        <211> 460
        <212> DNA
```

1161

```
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(460)
        <223> n = A,T,C or G

        <400> 3825
cnttgnttcg atacagctac ttgttctttt tgcaggatcc ctcgattcga attcggcacg      60
aggagagtct cactctgttg ctcaggttgg agtgcaggca tgtgatcata gctcaccgaa     120
gcctcaacct cctgagctca agtgatcctc ttgccttacc tcccaagtag ctangaccac     180
aggtgggcat gaccacacct ggctaagctt aaaattttc tgtatangtg gtgtctcact      240
atgttggcca nactggtctc agatgcctgg gctcatagcn gtcctcctgc ctcaaccttc     300
caaaggctgt tgattgttta aatacgaaaa antttagaan atatantttn acgcacttaa     360
ttnttagtct ggtgatatac catccaaaan gcntctnatg ctgggcacng ttgantcatg     420
cctattatnc cagcacttng ngaggccnan gcnggangat                           460

        <210> 3826
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3826
nncnntttga ttcnatacan ctacttgttc tttttgcagg atccctcgat tcgaattcgg      60
cacgaggctc aatcaatatt tattgagtgc ctacgacata tcaggctcag ttaggagctg     120
gggataaagc agtgaccaaa gcagacacag ttccttctcc agtgagatta taatccagat     180
gggataggct ataaataaag gaagaagtta acatatatca ggtggtggtt agtgctgctg     240
agaaaaatga aggaggggag agagaaaagg ggatgccaca aggctagggt agagagttct     300
gtttcataca gtggtaaagg aaggcctttg tgttgagtgc tttgctctgg aacgacttta     360
ggatggggaa gaggcccagg tggcacctag acatttgaaa gtaagggctg aggctgcatg     420
tctctaccta tattttcttt catgtttgcc tttcatggat ttttttttcta tgtatctaga    480
attaaatata gaactagggt gaaatatccc tcaaaaatgg tatgggagca actattagaa     540
tgaataggac tcttggggcc aatgggatgg aatgtctgtt tctggtcaag aggattgatt     600
ttgatactgg aatagaatat tcacatatat cttcccattg cctgactnca atgggtgcct     660
agctttccat caaagtggga cttggtgagg tggggatgtg gatgcatatt aattaaggta     720
cagctggcac cggcttaaat agaagggaag g                                    751

        <210> 3827
        <211> 463
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(463)
        <223> n = A,T,C or G

        <400> 3827
tnncnttcan acangctact tgttcttttt gcaggatccc atcgattcga attcggcacg      60
agaaacgacc acctttacga gaattctttg tcgatgactt tgaagaatta ttagaaggtg     120
agagaactct ttaccacacg tttcttccag atgctcctat ggtcccgtaa acaatgatat     180
```

1162

```
ttttttctgc aaggctattt tactttttaa gagcagtaat cgtggcattt gccgcatgat        240
gggaacccan gtagggagcg ggtgatgttc ccaggcagcc ttggtgtcgg caggtctcta        300
aacctggttg ttagtcgtcc tctgtgggag ttgattttgt tctgtgaccc aggtcaggtc        360
tctctctaag aactctgtaa gagtatagaa atacaagtaa agtataaaca tgtagaaaaa        420
caagtaaact ggggaaatcc ttcgctggca gcaaaactgg cgt                         463
```

        <210> 3828
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G

        <400> 3828

```
gcnnttgntt nnatacanct acttgttctt tttgcaggat cccatcgatt cgaattcggc         60
acgaggagtt ctcttgtgtt ttactctttt tacagtgaaa ccagcagtgt gtgtagcagc        120
agtgacactg ggctctttac caatgatgaa gggcgacaag gtgatgacga acagagtgat        180
tggttctatg aaggagaatg tgtcccagga ttcactgtcc ctaatcttct gcccaagtgg        240
gctcctgatc attgttctga agtagaaaga atggattctg gattggataa attttcagat        300
tccacattcc ttttaccttc tcggccagct caaagagggt accatactcg cttgaatcgt        360
ctacctggag ctgcagctcg atgcctcaga aaggggcgaa gaagctggtt gggaaggtga        420
tacctctcac agttagcttg gctcagtggg gagataatat tccctatggg agttgtgtat        480
cctattaaca atcagaggtg ctacagaact ccctgaagtt aatggagcca actggaatgt        540
gttgggagtt tacaagagtg aacattatgt agcatgtgaa tggatataca aataaaagat        600
gaaacgtaat tcatatagaa gtactgacaa aaaaaaacac tgtcattaca gtgtctattg        660
cctgtaaacc tacaagcctg agctggtctt ctgtaacttt tgattaatgt tatgttatta        720
ttgggtaagt taaaatctct tggcttn                                           747
```

        <210> 3829
        <211> 468
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(468)
        <223> n = A,T,C or G

        <400> 3829

```
tttccttttt gtaaaccta cttgttcttt ttgcaggatc ccatcgattc gaattcggca         60
cgaggtaaaa caccccctac agttccaatt ctgggcctgt cttctatcta tctttgccct        120
tctggtccgt tccctgttct gagccccagg gaacttangg ctgaaagtca cccccgaagc        180
ctcagaccag atcgggaggc cacacgcagc tcatggggac agagggccca gggtgacggt        240
ccactcatga gaagtgctat gtgactncag ggagtctgtc cctcttccgg gctccaatcc        300
ccagcccaag ctcagatgac ccagcctgtg tcccttagc ggccgangag ccaccacctg        360
ttcgggggct ggaggatggc ttccaganga cctgggacac tcacctagct cgttcatggc        420
acggcggtac tcctcatcaa aggacaagct tcataacagc acangtgg                    468
```

        <210> 3830
        <211> 467
        <212> DNA
        <213> Homo sapiens

```
        <220>
        <221> misc_feature
        <222> (1)...(467)
        <223> n = A,T,C or G

        <400> 3830
cnttgatncn tatacancta ctcnanctct tgttcttttt gcaggatccc atcgattcga    60
attcggcacg aggggggtctc ttctactgtc ttattggacc ctagcagtgg ctctgagcca  120
gcagtcctgt cagttgattt cttggtcgtt cctttgtttt cttctataat cacatgtgga  180
ctcagaatga attttgagtt actctgaaat ctatttattc aacagatatt tacttagtac  240
ctcctattgc cagactctgc tttatgttgg atattatttt ttaaaagccc accttgccta  300
gatttcctca aaggaccagg tggcttccct ggttttgaaa gaccctaatt cttactatga  360
tcttaagtaa attatatcct ttctgtgggc tcaagttctt tctaagaggg ctctttgggg  420
ctacaaaaga aattgttagt gcaaaaagag tttataaggt ttataaa                467
```

```
        <210> 3831
        <211> 471
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(471)
        <223> n = A,T,C or G

        <400> 3831
tntttnanta ctnnaantcn natacangct acttgttctt tttgcaggat cccatcgatt    60
cgaattcggc acgagccgag ctgacaagtc aactctaagc acttatctag aagactgtaa  120
atttgacaga gagcgaatag aactgttttg cacggaatat cagaataata agaattccct  180
agaaatccta ctgggaagta taggcagatc tctccctcat ataacggatg tttcttggcg  240
cttggaatat cagataaaga ccaatcaact tcataggatg tacagacctg catatttggt  300
gaccttaagt gtacagaaca ctgattcccc atcctatcca gagattagtt ttagttgcag  360
catggaacaa ttacaggact tggtggggaa acttaaagat gcttcgaaaa gcctggaaag  420
agcaactcag ttgtaacttg gggaagttaa cgatccgccc gagtgcagag g            471
```

```
        <210> 3832
        <211> 470
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(470)
        <223> n = A,T,C or G

        <400> 3832
tataccattt tgaattcnna tacaagctac ttgttctttt tgcaggatcc catcgattcg    60
ctgctaaaag gcggatagat gttcagttcc tccatgaaat gagatttagt tcccatgtaa  120
tggcattttc cataataact gctgatatca tcaaggtaaa gagagctgct tctcctaact  180
acccatgaaa gaatttagct ttttatattt ctacctctcc catatagttt aatctctccc  240
cactgcgagt atgactgact ccaaggtatt gaagtctgtg ctctaattgg gaattcaatg  300
aacaagactt cagtgaatga acttttttag ccatattata taaaatgaaa aaggatctgc  360
tcctcatttc aatctcctgt acaattgctc ctgaacagta gtacagaatt gtagagatag  420
cacattatgc aacctggctt tttatctgag acatacttaa tgaaagcaca              470
```

```
        <210> 3833
```

```
        <211> 465
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 3833
ntccnttgga ttcgatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg     60
gcacgagccc ctgtgcccct tccccaggaa atcaagtcct aaggaataag agtttgttgg    120
acagagttga gccttggagg gacacaaaac attgtaatat ctaagatttt tttcatactc    180
tcccagaaag aaccaatttt caccctgggg tggcggggtg gtaaaattgc ccctgttcag    240
aatacatgct ctaataagcg gcagccatgg gattttatcc taatactgag tctagatgcc    300
aaatcttttt caccctgtct caaaacaaac aacaacaaca gcaaaaagat cactttggct    360
gtttttattt ttggctgtta tgtgaagaat gaattgcaat ggggcaagag tagaagcacc    420
aggagaaaag caaatgagtt ttgaataaat attttcccct atctt                    465

        <210> 3834
        <211> 469
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(469)
        <223> n = A,T,C or G

        <400> 3834
tgccttttga ntacngntac aagctacttg ttcttttttgc aggatcccat cgattcgaat     60
tcggcacgag aaagcatgtg tgttgggggg tgcgtatcat tttaccatgt gataagcact    120
tttcataggt agcaaagaca cattatgtaa acttaggagg agggagagaa tgcaaatttg    180
catgtgaatt ttattttgat taatcgcttt ttttgctttt cagcaatgtt atttatgaac    240
aacaaaatta tagaaaaagt gagaaaaagt caattatcaa ttattttctg atgaacaaca    300
acaaagacaa aaaaatggtg ggattgattt attttcccct gacagaattg attgtttctt    360
taggttctat gcaacttgca gactcactga gggtgaatgg aatgtgctga aaattcagcc    420
tgacttggca gctccaaggg acacacctca atgtagagaa agcaggaat                469

        <210> 3835
        <211> 465
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 3835
cnncatntgg ntcccgttcc aagccacgag cccattttgc aggatcccat cgattcnaat     60
tcggcacgag gcacaggcca cggagagaga gaggccgggc ctggatgaag ccgtgggcgt    120
tggtgccgtg cgaggcccan catgcttgga ggaaaggtca ccgtggctgt caagtgctan    180
ccagggcnng agccgggctt gtgtttctcg ctcantntna nccatctntn atctgnttca    240
aagggnattc aaaannccng ggtcagattg tttcttggat tacnctgatc gtctggcctg    300
ccttatccac cctggaaagt tctaagcaga taatanntat gtggcatntc tgaggttttg    360
```

1165

```
atgccccgag ccgtttacaa tatgcttccn gactgaaagc tgggccctga ntnnctnngc    420
tgagnnctac nttggaaacc acgttcccct cagnctcatt atcac                    465
```

        <210> 3836
        <211> 1039
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1039)
        <223> n = A,T,C or G

        <400> 3836
```
ccagccanaa nacngngana aaaggncnga cgnanacaga nnncgannnc gacgccngnn     60
gaanaagcan anancacccc cccaggcgtt ggaacccttc anagncgacg aaggcagacc    120
cacgancgaa ccggcacgag actgannaga ncnggcncga aaaagtgtgn gccatactga    180
gacccacggg cagccncncc gccnctacag ngncaggngg accagggaca ccncnggacn    240
gcgcannacn gagaannaag gaancnangg ccggcacgaa gggcaaggga gggannnctg    300
cacgggacgg canaacngca agccagcctn caagcnggca aganccagcc aggnggcggc    360
aaaaacaaga aacagcccga ggcncagccc ggcncncaac caggcccnaa ncaagaaaag    420
anaagcaccn gngcnggacg gcngnaccca cacaacgggc acgnaaaaag ggcngcccgc    480
gnggacacng cnnnncatng gaaaccaccn ccnggnaaaa ancaccanaa gggggccngc    540
anaaaacccg aacngggganc aagngccann cagnncgggn aaanaggang naaaaacngg    600
ccagnnngcn accgnggaaa aaaaaaacgn cnccnnnatn gncgcnncnn cnnncacggc    660
aananaccan agcgggacag acanngancg canacanang cgancggaga ananggaaag    720
aagggagaca aaacagcang anngacgaan anggnacacg cnacacgcac agcgangnng    780
nancaaaagn anncncngca nnannagngn gnangcaaaa naacgcgang agannagana    840
gnggacgcac nngcncacna ganggcgnnc ngacgnnncc ccaaaacgac nnacgnnnng    900
gagcaganaa cgacgcacna naaaggacgn anganncann nccgngaana aaggnagaaa    960
nngnnngnacn anggcgacnc caggagacaa canangnnaa agcnaagccc cnagnacaaa   1020
agcaccaaaa naancnccg                                                 1039
```

        <210> 3837
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G

        <400> 3837
```
gcnntttgat ntncatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg     60
gcacgagctg ccttccaaca aaatcgtcaa gcgggcagag gagttggtgg ggcaggagtt    120
gccttattcg ctgaccagtg acaactgcga gcacttcgtg aaccatctgc gctatggcgt    180
ctcccgcagt gaccaggtgc atcttcagcc tgcatcccct tcccaggagc caggccactc    240
cctcagctgc cagaggctgg gtccctgctg gggccagggt gggatggaaa tagacatgag    300
caagacaaaa tagcagatat gaaactgttg tccttgaggg tgtcacattt ggggtgggga    360
caagggtggg gagataggca agtcggcaat gtagaccagt gcagtgggtt ggggggtggc    420
cacagaaggg agtcacagcc tgaaacagcc ctccacagcc ctagaggccg gctttatgat    480
tcccacttta cagatgggga aactgaggct caccgtgctt aagtaacttg tccaaattca    540
ttaaactcct agttattgag tctctagtcc atgtcancca tggtgaagaa cgggggagtt    600
aaacctacat gtgttctctc caagggcccc gatcaaggaa agcttttgta gaaanangtc    660
acacccgagc ccacctgatt taattatttt gattaatctt gaaaaaaaaa tgaacctgga    720
```

```
gattaccagg gaaccggggg ccaataanga agtgtagct                    759
```

```
        <210> 3838
        <211> 751
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(751)
        <223> n = A,T,C or G

        <400> 3838
gncnntttga ttccatacan ctacttgttc tttttgcagg atcccatcga ttcgaattcg    60
gcacgaggca cgcagcaccc actcagcacc tcttagaaga tgcgtccgta gtatatagta   120
tgatttttcg aaggggattt tgctcatatt aagggttgct ttagggatgt ccaggaaggg   180
tcaggtaagg aatctttcaa t-tgctttct aattggctta gttttcccac tgtcttcgca   240
aaaggacagg aatttccagg t.agtttgca gcttgtcttt catcaagcga aatgctcatg   300
ctgttgggta gatggtaata gaaacctttt gctaccttta tttatcaaga gttgtggagc   360
cgaggaaccg tgtcttggga gttgtgcagg attgaaactc acaaaaaagc ctgtttgaag   420
aagttgttac ctatatttat tcaaggcagt tcacaagcct tatactaact ttgcggggtc   480
tttcagttga gcttacatga ctgcgcttgg ctttgtgcct ggcagccaa catttgccat    540
gcaggaggct tcccagaaag gttcggattc ctcttcaagt ttgagaagcc tgactgagac   600
cattctcagc atggcatgac ccgtgaatca ggaagtgaga atctggagta ctgctaaggc   660
accttgtggg tggaaatgag ggtttgagat gccaacccTT ctgtgccttc ccacaacttc   720
caattgtttc cattgctcat ttgaccaacc t                                 751
```

```
        <210> 3839
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3839
nccnnntgaa tncccntaca nactacttgt tctttttgca gggatcccat cgattcgaat    60
tcggcacgag atgaatttgt ctctgaggat attcaaagaa agcagcagta gtagtgttaa   120
agggtcccag ctaggccttt tcagttcttt cctatcattg ttaatgtaga caaccatttc   180
ccagattttt gagataaatc aatttatta tttgcaatat ttacatgcct acatggtttt    240
ttaaagttat tttaatgtat ttttaatgat taaaaaatta tgtcccgtat ttattagtca   300
ttcattactt accattattt gcatttaatc cttaaagcag aagtgtacaa aaaagagatt   360
aatgtaaagc aaatcaatga ggattgaagc aaattaattc tctcaaaata aatatgtagt   420
atctttagat aatttggcac ctgctgagtt tgtcaatctt agcaaactag gccatttaga   480
ggaaataatt ctgtctactt tttgagtgtg ttttttaatg cttttacttc tggtgtgggc   540
atgctggatt ttatatttct aaaaaccaat aaaatttgga aggcattgcc tctaaatgtt   600
acctaaaaaa tagaaaacac aacccntaaa tatgcctagt aattagcaca tattttattt    660
catagaaact gattcctggc tggcctggtg gctcacacct ggtaatccca cactttggg    720
angttgaagc aggggatgc ttgacccttg                                    750
```

```
        <210> 3840
        <211> 751
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(751)
<223> n = A,T,C or G

<400> 3840
nccntttgat nccntacanc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgagatta gatactatag taggttaata atgactaaca ccttgtcatc tcatcactga     120
gcttttgtct aagatagtct ctgaatttag aactgggacg aaagtgtaca taataggcta     180
ttataaaatt tttagaattg gatttctaaa cttggggtca gtgaatctag caggcttaag     240
cagtgttctc aggttttttct ggcacagaca aggaatataa gaggaggaga gaaaaggaga     300
gacagtagtg ggagggaata gaatgagaga agatagaaaa tatggaatta atagagaaag     360
gatacatgaa gtattacaag attttcttgg aaaaattggc atttcagtga tggatcaaag     420
atgtctaatg aggcaaaatc tactattact taaatattta atgttttaaa gatttgagga     480
taaaaggata tagatctgat ggcgttcata ctaattgctg tagtgttgat gttggagaga     540
ggggtaatgt atcaagacag agcagacaga ccctttacaa tgagagcaga agatatgttg     600
tttactgatt ctactttccc acaaaatgct aatgctttta taagtccctc ctccntattt     660
tctagattaa ctccntgttt cttcctctaa accagangat tatggcagac aggcaaaaaa     720
aaaaaaaaaa aactcgagcc tttanaacta t                                    751

<210> 3841
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(800)
<223> n = A,T,C or G

<400> 3841
aaatacacaa caggcaagtg ccgtatacca ggaattgttc aaggagagca ggtagtttgt      60
cttatattct aacgtgggag aaagaaagca aataaattac atgaattgat taattgatca     120
gttgcatggc ttttagtata catttctgtc agtctgccaa ccagcacagg tcccttatta     180
gcatgggaga agggcctgat cactgaaagt attatagatt tatagagtat tgaaaggaaa     240
cttaaggaaa ttgggggcag tggcctttta gaaaacagcc taactccatc agtgacttct     300
gcttgcttgt gcctctcata tgtgatctgc tactggcctt tgttacttct ctctgaaata     360
acacaaaaat tatgtttagg gctctcattg acttcaactc caaaccatat gttacttctt     420
ttaaaaacat aatttctaaa aaaaaaaaaa aaaaactcga gcctctagaa ctatagtgag     480
tcgtattacg tagatccaga catgataaag atcattgatg agtttggaca accacaccta     540
gaatgcagtg aaaaaaatgc tttatttgtg aaatttgnga nctattgctt tatttgaacc     600
attataagct gcaataaaca agttaaccac caccattgca ttcatttttat gttcaaggtt     660
caggggggagg nggtgggagg ttttttaatt ccgggccgcg gggcccatgc attgggcccg     720
gtcccccactt ttggtnccctt tagngngggt naatgccccc tggcgtaaac atgggcatag     780
ctggttcctg tggnaaatgg                                                 800

<210> 3842
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G
```

1168

<400> 3842

```
ttatnctttg aaacacncta cttgttcttt ttgcaggatc ccatcgattc gaattcggca    60
cgaggaaaag gccccagaat gggctngctt gaactggaaa aacacacttt ctcatccctt   120
ttggaccacg agcttcttga gagcaaagca tgtgtttgat attcctttgc tcaccctcag   180
gccttgtttg gcaaattgcc tgggatacag aaaataagga caaggtctgg gtgtagtggc   240
ttatgcctgt aatcccacac tttgggtgac caaggcagga ggatctcttg aggccaggag   300
ttgcagacca gcctgggtaa catagtgaga ccttgtctct gcaacaaaat ttaaaaatta   360
gccagacttg gtggttccca cttgcaatcc cactatttgg gaggctgagg cgaaaggatc   420
acttgagcgc aggaatttaa ggctgctgtg agctatgatt gtgc                    464
```

<210> 3843
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 3843

```
gaaatcttta tcanctactt gttctttttg caggatccca tcgattcgaa ttcggcacga    60
ggctactcag gagactgggc aggaggattg cttgagccca ggaggttggg gcttcagtga   120
gccatattca caccactgcg ttccagcctg ggtgacagag caaggtgcta tctccaaaat   180
aaataaataa atgttaaatt tgcttttttc tctctctctt tttttatgta gaatttgttt   240
gttgatactt actgaatgta gtgaccctgc tgtggtaatg aacacttcta gtgccttcta   300
ggcttaaaat accagacagc cccaaataac aaatgctctt ttgtgttttg ataggttgga   360
tttctgtttg cttaatattg ggaatactgg ggggaaaaaa gatggtgttt tcattctaag   420
gattgtccta aagaaagtgc tactttattt ttaagaaagt aaggccactt gttatataag   480
aaataacaag ttcccattgg gtcccatttt gcaaagggg ataaagaatt agactgatag    540
catcatacga ggcatatttc actatacaaa gtgttgtcac ctgtctatac aactctccta   600
cccagcttga cctcactttt catacctgat gcagcaaaac aattcaatgc cataggagaa   660
ggaagcacat ggttataagt gactaacacg atattaggca atttgtccaa atttctcatt   720
ttctttatag gtaaagaaag cattcttatt tgattaaat                          759
```

<210> 3844
<211> 954
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(954)
<223> n = A,T,C or G

<400> 3844

```
gggnnntttt tttggnnnaa aaantttttt ttnccccca nnaaaaantt tttntttggg    60
gnaaaaacca nnccccccct tttacctnng ggggaaaaac ccttttncnc cnnngggggcc   120
cnanggggggn aaaaaccccc ccccaaancc cgggaaannt tnccggggg naaggcccaa    180
aaaaaangg naaggaaact tngggnnntn ccctcggggg nnggggaaaaa aaatggggaat   240
ggtaaaaatg ggggcccaag ganntaaccc aaggggncca aatgggggng ggggggaaag    300
aaaaaaagna aaggggggntn ncncctcccc taaaaacncc caccaanggg ggggaagcca    360
anggaanttt acccnnggg caagggaacc aataattaac ccttggaatt acccgnggnn    420
acccgggcat ctgggaaana nggnnnacnc atgtggagta naacaanggc ggctaatcaa    480
nccagggggg ccaagngggg cacacatnca tncnngctcc tggaaccngc atatgcnatg    540
ctctcctcta gaacactngt ccattngcca ccggctcntc acatgaccaa ancctacatt    600
```

```
ggctccaaaa atcnccangt aaaatggcac ttccccaaag aaggggggaaa ttttnnaaaa    660
cccccccccg acgcaggcca aannggaccc cctgggctac ttaancanag ccatccccna    720
ncaanacttg gnagcactna aaagnagang gggggganaat anctgggncg gacaacacgg    780
cnactctngg gctcaggatt aagngggaaa gnggaanaaa ctggggttnt caggacngga    840
ntccaactct aancggggggg gttaaaggga aaaaattcnn ggactgaaag ggggngggan    900
gggggggaacn ggctccagaa aaaggaactc cataccctcc tttaatcaca gaca         954
```

```
        <210> 3845
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 3845
tgttaggcaa ctgatgacta tacttatttc acaactggta atgtgaatta ttattgcata     60
aactatagtg ctgaggcccc agtctttaca cttccattta ataacttcac agtttcatat    120
cttcttgaga tacttactaa tttcaagtcc catcttggtc acaaggagtt gtgaattaga    180
gaacaattaa tatcaccagt taaagaagtt agattagaaa tctgaaccat cctaaacata    240
agaagtacct gcatcttcag agtcttatcc caaagccgtt ctgctaaatt gttcaatttt    300
ctccatagca gagctttcca ggcccttatt tggaagtgat ttatctctat gcacagttat    360
gtatggatag tatacataat actagcaagt gttattacct agtgttaact ggtggngtat    420
ttacatcaaa atataactta atttatcgat atcttttttag gggtttccca ttaatcaaaa    480
cacgtgatat atgtaatcag ttgcangttt tctgtgactg ngacagtaga gagtccttca    540
tcctctgaag ttgaagaagg tggatgattc ttcanagagt gttcatgaaa gngcctggga    600
aaactagtnt tgaacaagaa gcattaccgg gaaaactggg aggagtgnct aaagccnttt    660
aaaggaagaa agaatgataa ggcttaaggg tggtaaaccn antcaatgaa cctgggacaa    720
tgaaaaagnc cccctttaaa aaaaaataaa atttntnttt ggtttggaag cccttcatgc    780
ncaggcattt gacnaaantn aancccggga tgaaaaaagg ggttttttg                828
```

```
        <210> 3846
        <211> 1046
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1046)
        <223> n = A,T,C or G

        <400> 3846
tngttaagca ttcaattttn agatncattt ntcacaaatg catgattctg gccctnaaat     60
ccgnatatnn gcatatntnc ccnttcaggg gggatacana aatgggnnta tgcacacact    120
antcngngng cacgnaaatt tctggtgggt gnaactggtc ggctnatgnt ngtaaaatgg    180
ntcnatagac tatctgnanc acanngnann tnttncaccc tgnatgttga actatgaaag    240
atcctttntg cgcttaattn tacggntaag gngcaagntc ttggcctcca aaccnatgtg    300
tntcataaat gtgccanacn taaattattn ttgaactttt tncagaaata ctaaccatta    360
aanggangtn ttcnagattg gcaacntaat ggcaagccct ataatttgca cacttatttc    420
ntgcaggnga tggtatttgg ttnatcaagg gcatatctgg tggcccagaa tcttttggta    480
aataaattng aaanaaaaac cccatttaaa aaaatgaagg nggaaccatt cnctttnaaa    540
atcaagcnaa ttnggcttan cntttaaaaa ttaaccncct gggtttttatt aacncgggng    600
ggtaaagttt naaaaaaaaa aaaaaaaatt tttttaaang gggaaaaatt ttnaaaaggc    660
cntttaacaa ngggggnaaa ccttaaatcc ttttccantn aaaaanggnc ccctaaaaaa    720
```

1170

```
aaaaanggtt acnttnngtn aaaaataaaa nttttttaac ccccctttcc ttngggggggc      780
cttttttcat tntttaatnc ccccaaaatt ttttttttt tttnaaangg aggggggggg      840
nannnntaat taanaacaat naatttttaa anaaanaacc anggggtct tttggctttt      900
tgtttggccc caaaaacttg gggaggtgcc agggggctt ttttnaaagg nccccaatt      960
ctttanctt acctggtaga ngggaatccc tttgcttggc ccccattctt tttggananana    1020
ggnttggggg aatatttggg cctttn                                        1046
```

```
        <210> 3847
        <211> 1021
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1021)
        <223> n = A,T,C or G

        <400> 3847
tacctgatgg ttgnnttnct ctcctgngct gctcatgtct gcttaactac ctactctanc      60
agcaccaggn agnaggaata atatgtctct ttcatgataa actggcttgg aaggccttnt      120
ttgtacatgc aatgttgnan cttcaggtnt ccaaggtgga taatgttggn catnancatc      180
ttgctttggg gcttgtnntt cnaagactca tatgtatngc cctttnttta ttttnaagnc      240
ntctnantgg cccccaccng nngagttttc ttgaatgctt cnngagaaaa tttcccanaa      300
anancgnctt tnaccncaaa cttccccctt atgggntaac tttancanta aaccccggaa      360
ggancnttta attcngcnaa cccantanaa aaanttgnat cntttgggcn ccaaantnnt      420
ttaggttaan ctncaatgta ncnannancc tgtntntnct tgtaaattnn tcaccaagna      480
cnntnttgtc nattgnccac gttccntnng gnnggtccnc tatttttggg tttggttaaa      540
angaagggct ngncntatng gggccncnng naaaantgcc ccnanntctt cnannaagna      600
accttgnaca accaannccc ttcttnagna nttcnnnaaa ccanttgcan ttgttcnggc      660
tngctttgta atttncaagn caattctttn gnntaaccca tngtttntnn tnncagaana      720
gggaaattcc ccggcntcaa ttaaaggtgg gcctggcnan gatttnanna aaaannnnaa      780
nnnaaaatna tngnnggcct ttttnaaact tnnnnnggat ggcggattta cnnnagtant      840
nnccnngcat gtnantagnn annacatgtg nnttannttg ggaaccaanc cccaccttnn      900
nantggcgtg nnnaaaaaaa tagctttttt cgggnaaatt tgggcaggcc tatggnatta      960
ttgttntaac atttattngc tcnngatnna nnnttnacnc cacnntcgcc tctatttctn     1020
c                                                                   1021
```

```
        <210> 3848
        <211> 898
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(898)
        <223> n = A,T,C or G

        <400> 3848
tttggtcctg gagtntnatc tacttactgn catcttccnc ggnctntggc ngtgccntgt      60
tccatgccgc ngtgaggcta tatgagatgc gccttggagc ngcctggatt tttngnntgt      120
aacacngtgg gctgacttgt gnntctatnn nanatngccg attatacaan cnngngntcn      180
ctggncaann actantgntt nagagnnntc tnnaacccnn nccgctgtnn cngctggnct      240
gancngangg ncttgtgtgc agtnactgnt tcccntttnc caggnnnnng ccctngannng     300
catactntnn tgcctgtcnc agtgtntnng ggancnttnn ntcanngana ngtctcnctg      360
accngnnaag gaacatntnt ggantgacat nngngnantc tctngangta tggggaaacc      420
canganngtg gtcaataang ggccctacaa acatgtttng gaaggctcct anggcattng      480
```

```
ggnnaaacat ntncacnnnc tatacaagtg gcttnncaaa gngaaagcgg ttattcntnt    540
antaactcnc nnnacnggac ccannantga ccncggcttg nnaccntgnn naacccnntc    600
ntngaactac gggccnttaa ngaccaacca nggttggttc ttgccaccat tttcttntgc    660
canccacaaa cctggccttg ggnaaatttt ncggttgcat tantaaaant gangggggc     720
tanctgcttt tgggccctct ttcnaccttn tttntgangt angntttttc nttttantc     780
ncgnncantn gataagaata ncntttgggt tgaagttttg ggtnccaacc nccttcttnt    840
naatttctnn tggaaaaaaa atnnnttntn tttnggcgna aatttgnngn angcttnt      898
```

<210> 3849
<211> 804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(804)
<223> n = A,T,C or G

<400> 3849

```
gaagttcaag taagatctca gtggtgacag gtctagctta tttcaagagc tgcacaaaag     60
ccacttaacc tggcaacaaa aagttaatgt gttggttccc tttggtgtat tatattcagt    120
ctattaaagt tttgattgtg atgttttcat tgcagttttt ataccggata aaatgtattt    180
tagaagtaga acttttggag ctgaaatagt ctgcagaatg tagcttgaaa accacggcag    240
tgaactacta agggaaagtt tcagaattca agtctagact tcatcacttc atagctctgt    300
agctttaggg caggttcttt agcctctctt tgtctccgtt tcctcctgtg taaagtaggg    360
ataataaaag tatccatctc actgggatat tttgataatt aactgagtta acccatgtca    420
aacatttaga acagtacctg acacacagta aatgctcaat aaaaattaca tattgntata    480
ttgctgttct agtttataag aacaggtgtc agaatccagt tttgaaatga aagcccagaa    540
ctgtgagaaa tgatggtttt ctctattaga tgttctagga ataaggaaa catcaagaat      600
aatacagcca tgcttagaac aagttaaata tatgtccctc ttggctttgg actttctctg    660
tcacttccgt gctggtcttn ctctttccag nctcttcata ctctaatctc tggtctcagc    720
ttctacttgg actccntnga agggatagaa aaaaaaaaa aaaaactcga gcctttaaac    780
tataggggtc gnntacgtan ancc                                          804
```

<210> 3850
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(840)
<223> n = A,T,C or G

<400> 3850

```
ttcctacctg cnctggaatg ccccagagca cctggcctgg ctgaagcagg ctgtgctcgg     60
gttccagctt ccgcagatgg accttccacc cctggggggcc ccctggctcc ccgtgtgctc    120
catggttgtc cagtacgcct cccagatccc cagctcacgc cagacacagc ctgtnctcca    180
gtcccaggtg gagaacctgc tccacagaac ctactgtatg tggaagaaca agagtccctc    240
cccagtccat ggggcaggcc cctcggtcat ggagatccca tgggatgatc ttatcgcctt    300
gngtatcaac cacaagctga gagactggac gccccccgg cttcctgttc atcagaggcg     360
ctgagtgaan atggtcagat attgtgtgta ttttttaaa aacgatttga aaaaatatga    420
tgttcctttg tcgtgggaac aagccangtt gcanacgcan aaggagctac agctgataga    480
gggacgtttg gcaataaaag ccttttttcat ccttctgcaa acaattttcc cataccattg    540
cttcacatnc accggacttg gaagaggagc acagagtgtg cttnagangg gaggattccc    600
agcacannag gatctgattg cgaaggagct tttgctgagg gagctctttg gcgcagtggt    660
```

```
ttntcgagca ntcttgcttg ttggggnaaa gaaagaaaac caagagggtt tnaanaatca    720
gccttcacca atggntggtt tgaaagaact caggangcct tttacgggtt ttaaactttc    780
cttncccctn ttnntctttc ctcagacttt tagnggtntc tttttcacac tnttggaacn    840
```

        <210> 3851
        <211> 841
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(841)
        <223> n = A,T,C or G

        <400> 3851

```
tttattgacg ggaagaggtc atcttttttt ccttctgaaa acaaatatgg attaattgcc     60
tcaaatttgt ataagtgatt ggctagtgat tcttgttttc agaagggaga gtggtataga    120
tagaaaatga caaagatggc aatatacact taatgttgtt attgtatgtt gttactgaag    180
tacttagatt tttaaaattt caaatcctaa atcacttctt gtaggagggt tttcattaac    240
tgcagtatat acagttcact acatatgggt tgtttgagtt ttttgtgtgc tgtatttctt    300
tctgtttttt aatacctggt tttgtacata tctaactctg ttctcttttg gttgttcaga    360
aactggattt ttttttttctt aagcagtgct taatttgtgt tttttaattt tgattcanaa    420
gtagtcccag ctcataggtg ttcatactgt tacatccaga acatttgtca ggctctctgt    480
cagctttcat gtacatatgg tatagaaacc catgagtta ggcacttcct ggatttttt    540
tttatgagaa aaaatctgta tttaaaatgt aaaataaact tttaaaaaag canggcncta    600
atatatattt cttnccgcct ttgattacca aatttgtccc ttgcncatgg ttaaagatga    660
aattatcttc ctaaaaaata tcaatggttc ttggggaacc aggggggattg ttacntttac    720
cataaccaac nggttncctg gcaatggggt tcatggtcaa aaaaatttt tgggtttttna    780
aactttntt atttgnccttt tggcttggtg gattaagncc aagnncaaag ngccgaattn    840
c                                                                     841
```

        <210> 3852
        <211> 796
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(796)
        <223> n = A,T,C or G

        <400> 3852

```
gataatgaaa ataaaaattt tgtgggctct tcatagtggg tactttgatt atgtgtgata     60
atactgtgct gtgacaaata atataatgaa gaaattaata ccaagattgc tattctgaaa    120
gattaaacat tctttaatac ttagatcttt catctgttta tgtaacaaac cctaacatac    180
aggcttaatg ccttgcagat attaacttct ttaacttaat ctttgtaaca gtcccatgaa    240
gtaggtctat tattattaca ttttccattt gaggaatata agacataaag atattaacta    300
ccttgcccaa cagctaatta gtggtggagc ctactttga actcagacac tctggctcta    360
gactctttc ttttattaac cactgcacta tgttacattg ttttttttatt tttaacttaa    420
gtgtgttaac cttgaatttg aattatgttg tattagcctg gtaagtggga tcacagaaac    480
gtgtccactg cctagatggt aagagatcat ttgtctttca tctttgcata cttaacatca    540
aaatataagg aagaacaaag gaaatgttaa tctttaaag cctcaagta taactccttt    600
taaaatgcta atgattctgg aaaatggtca gacccttaac tgctttagtt gaacatttta    660
gacaggagct aatatttta acaaggatag caggaatcat atgtttatt tctgatcctt    720
gacaaagctg aagagttgca tcttcataag ggnttcactn tntgntacac actagactac    780
ttgcaagggg tgcccn                                                     796
```

1173

<210> 3853
<211> 827
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(827)
<223> n = A,T,C or G

<400> 3853

```
gcatatgtgg gaagtgngtg tcccgtccag gcctgtgcct cggnccacag caactgnttc      60
gtgtgctgga gacgcccaga ccgacaggcg aatggntcga gtgcacctcg atccgagtct     120
cagcacctag actaattagg atgacctcag agatgctgaa gagtacctttt ggtcagcctc     180
agncttttttg nttttggttt ttttttgagac tgtgtctcac tccgtcaccc aggctggaga     240
gcagtggtgc gatctcagct nactgnagcc tnaacctctc agactcaagc tattctccta     300
cctcagcctc ttaactagct gggatcacag acatttgcca ccatgcccgg ctaagntttg     360
tactttttgt agagacaagg gtttgccatg ttgccaagct ggcttcaact cctgggctca     420
agtgatgcct gcctcagcct ccaaaggtgt tgggattaca ngcgtgagcc accgcacctg     480
gcctgttatt ttttaattag ctgnggaatt ttttttttcca nataaaatat tataaaattt     540
attaaaaact ttatttctca agangggggaa cgnggaaata ctaattcccc aaatggttcc     600
ttttacatct agaggtccaa attttccnca atngaaacnt ttctttcaat tttcggtact     660
ttttttggtt ggtttngaga anggaagtct tgntnttgtc tnccaggctg ggantacaag     720
ngagcccgag aacatgcccc ctgnattcca nctggggnga caaaancccg acntttttttt     780
aananaaaaa nangnnnnnn annnnaaacc cgggccttta aaatttt                   827
```

<210> 3854
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = A,T,C or G

<400> 3854

```
ctgaaagggc agcgggcaga aaccgggctg gggctggcat tagctttccc tcctcccagt      60
ttctctccag cgcagcaggg cacctctagc ccagaaaaag aaaactgact ttctcttatt     120
tctgttttct gctgctgcta atctcctcct gaagggttgt gtggcttctt gggactctgg     180
aaagaaactg caggggacga ggacaaagga aacagctact gtagtcactg cagctatgca     240
ggctctgtgc tagccctgga aaggcctgga cgttcangtc tgctgtgccg ggggtaggcc     300
ccagaacaga gcggtgggcc catcgctctg caccacagct gccagggctc aaaccttggc     360
tctgccttac ctggctttgg gatcttgggg gatgcacagg acactctgtg cctcaatttt     420
cttatcttgt aaaatggggc aaatacctac caagtcatag gggtgatgta aagtctannt     480
gagataatgg agggnaattt cttttttttc ttaacttaaa ttttggatcc nttttgggtc     540
gatntttgta tattggggggg naatttctta naagctngaa agttattnaa tgctgcttat     600
gagccaaata ctgngccnag ggctcttgtc cagatcattc cagttaatcc cacccaagan     660
cccaacagcn caaggggttg cttatatttt tgggggnnga nggaactggg aacccnaggg     720
gaagtcacgg gnctttngcc caaagttacc cccgaagttn aagcgtttaa aaccaagaaa     780
tttgaaccccc caagccaagc ttgaccnant ttggtttgct tnggcn                  826
```

<210> 3855
<211> 812
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (1)...(812)
<223> n = A,T,C or G


<400> 3855
ctctcatggt aatgccagtc atgctcctca gtcatcagaa ccagcaaaaa tactcctcac    60
atgtccttag atagttgcaa atgctccaga gaggggtaat ggcactgctc ctacttgaga   120
accactggct cctgtaactg cttggcctag ttctaacttc taaaatgttc tcctttcctg   180
agagtataat gaagagccag atactttgtg atctttctat cattcctctg gcttcttgga   240
cttccttaat gattgagctc agatgctgga gtcacatcgt ctggctatga aatcaagctc   300
tgccatttac tgggtgtgac cttgaacaat tacttaatct ctccgtacct cagttttctc   360
agataaaatg gagataatag tgacatccac ttatttttgt gaagatgaaa tgaaataaag   420
catgtaagct ggttatcaca ctgtccactg gtggaggcat ggtaattgna tgaaggggat   480
gacgatgatt gacnatgacn atgatgatga tgatggctcc caaccttaag ggcttattcn   540
agccagaact tgaaattgac cttaataatg aatactncaa aaaacacaga caggcacatg   600
atntattaga aaangnagca actacggngg gagtcaagta aatnctaaac accctctgcc   660
tcaatctgta tggntttgaa atgtccttta nccgtcttga tttttacata tctatgaaaa   720
ttttgnggtn catgggggtt aaacaaaatg gatgacttaa gccnttggga agtaatttca   780
taaacaacct tgttgatatg taataaaaaa cc                                 812


<210> 3856
<211> 835
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(835)
<223> n = A,T,C or G


<400> 3856
ttgctttaca ttggtgaaaa aagtcatcat ttcgaagcca ctcattncat cggaattggg    60
agggccacca tcttatagct gggcttgtga acctttgact tttcccagta tatattggac   120
tattttgatc actgctatat gcttctagtt cctcaatcan natctgccac agaggaggcc   180
ctctaaattt tttgtggaat tacttaatga aatgaatgan tgattattcg ccttcacagg   240
attgtgtgag accatataan gtgtgtagag cggtttgacc tcccaccatt gaaatgctcc   300
ttaccattag catctaaagt gattcactag agaaatgtgt gtgctctcnt gacagtctgc   360
ttgttccacc ttgctggaat ctaaatccac gagaatcctg tgttcatttc tctctaaaga   420
ataattacga ccatntaagg taatagctaa agaatcnaga cctgtaagaa ctcttancan   480
gtacagtggc ctgtgcctgn agtcccagct actcangang ctaangtggg aggattgctt   540
gaacccntga gtttgnggct gnagtgccct atgattgtgt ctgcgaatag ccactgcatt   600
acagcctggg caacataagg gaggaccatg cctttggaaa aaacaaacaa cttnttggga   660
agtctcctaa ataacctatt tnaaagaggt caacaatttt gcccggtggg gttggcgngg   720
taaaggacaa aaanttgcca ttnggttttnn atnttttaaa ggnnnnaggg gggnggggnn   780
ngnnnggnnn nntaaannnn gggcccnngg ggcccattna nttnggnncc cngtt         835


<210> 3857
<211> 772
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G
```

<400> 3857

```
ggtgnttnnn ccttgaaanc tttatacanc tacttgttct ttttgcagga tcccatcgat    60
tcgctccaag gatcacagta ggatcctcgt tggtgacagt cgaggccgag ttttcagctg   120
gtctgtgagt gaccagccag gccgttctgc tgctgatcac tgggtgaagg atgaaggtgg   180
tgacagctgc tcaggctgct cggtgaggtt ttcactcaca gaaagacgac accattgcag   240
gaactgtggt cagctcttct gccagaagtg cagtcgcttt caatctgaaa tcaaacgctt   300
gaaaatctca tccccggtgc gtgtttgtca gaactgttat tataacttac agcatgagag   360
aggttcagaa gatgggcctc gaaattgttg aagattcaac aagctgagtg gagaccatgg   420
tctgtagacc ccttcccgat tctcctgtcc cagcttggaa ggcattgaaa acagtctccg   480
tttacacatc tcttcatacc acgtgtttga agtgttaaaa ttcaaaggga tcattgaata   540
aaacgggtgt agagtacagg aatggggcag acgcgattca ggtgaacagc acaagaagaa   600
tatgangtgg ttcctaggag caacactttc gacctncagt cttcctgatg acagtactgt   660
ctncaagaga aaaatcctca cttattaact ctcttttctt gcatctcatt ttatagagct   720
actcatcctt atttggaaaa accancacca aaaaaggctt ttagaaaatg gt           772
```

```
<210> 3858
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G
```

<400> 3858

```
ctctggctct tggaaaaggg cagtgtctct aaacccaggc aaacggtaaa tgtggggcat    60
aggcaagagg gtcccgggta ggtggccact tccccatcat gctcgtttct cattttgtgt   120
tttttagtaa naaaaacaca gtgtgttctt ttgcccagac attaatcttt agaatgcctg   180
tattttctaa tgttgggatt tctttcacaa ccacccacct taatatttcc attgtgactc   240
agaaaatcag acttcattcg attctttaga gaactataaa tactgttgtc agtagagtga   300
agtcttgtct tatgtaatcc taattacaga atgtgttctc agaagaggta ggctagacca   360
gagctgggca gaccacaggc agaggccaaa tccagccccc tgccgatagt agctaatata   420
agttttacac ccacttgttc atgtattttc cctggctact tgtgggcagc aatgccagag   480
tcaagtcatc ataacagaga cagaatggcc tgaaagctgg atttactatt tcaactttta   540
cattaaaact tgatgacccc tgtgctagac aggcagctca tttctgcagg taaaattata   600
ttcatctncc aactttcatt ncaaaattga acctatatta ctgaggccca aaaaannnnn   660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncccctn ngccctttaa   720
aaccttttgg gggncgnttt nccngaaccc nccctganaa aaaaccttgg tggagttggg   780
ccaanccccc ncttttnaatg ccgngaaaaa aattnttttt                        820
```

```
<210> 3859
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = A,T,C or G
```

<400> 3859

```
ggtgnttccc ctttgaaacc ctttanacaa gctacttgtt ctttttgcag gatcccatcg    60
attcgaattc ggcacgaggg tgggcaggca gctgcacctc attcctgaga ccatccgggg   120
cagggctttt ctgactgaga cacacgaccc tgacaccaga gagaattctg tattttcccca  180
cccttgcagg ggctgcccct agagaatccc atcgggtgag cccaggaacc cacaagttct   240
```

```
gcacccctcg gatgggtagg cattttgagg gcatgaggta ggcgttacag tgataagata     300
cacagggctc taaaccacag aggccccggt tcaaatcctg cctcttctaa gtacaaatta     360
gttggctttg ggaagtgagt caactttgcc ccgggctgca gtttcctcgc tgtcaaatgc     420
atgggagagg gtgtgtgaag agttaaaatg tatttagatt tcactgtagt gtctcctcca     480
acatgatctc acactccttt tacagtataa gcaggctgat gtcagaggct gtgactcgcc     540
ctgccaggtc taagaccgtg gggcgtggtc acaggtacta ttttangact cctctnacca     600
caggcactga acttggggct tgcatatata tcaccccatt actcctcaga agatactgta     660
acgtaggatc ttttattggc tntattgagg cttaatgcat ccattttang nggtacaatt     720
tgatgagttt tgacaaaagt ntaancttgt aaccacaatn nccganttca tgacact       777
```

        <210> 3860
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G

        <400> 3860

```
gnnnntnnnc cttgaaaccn ttatacanct acttgttctt tttgcaggac ccatcgattc      60
gaattcggca cgaggacaca ttaaaagaga gatatcaaaa aattggtgac accaaaagga     120
atactcccat tgaagctctc tgtgagaact ttccagagga gatggcaacc taccttcgat     180
atgtcaggcg actggacttc tttgaaaaac ctgattatga gtatttacgg accctcttca     240
cagacctctt tgaaaagaaa ggctacacct ttgactatgc ctatgattgg gttgggagac     300
ctattcctac tccagtaggg tcagttcacg tagattctgg tgcatctgca ataactcgag     360
aaagccacac acatagggat cggccatcac aacagcagcc tcttcgaaat caggtggtta     420
gctcaaccaa tggagagctg aatgttgatg atcccacggg agcccactcc aatgcaccaa     480
tcacagctca tgccgaggtg gaggtagtgg aggaagctaa gtgctgctgt ttctttaaga     540
ggaaaaggaa gaagactgct cagcgccaca agtgaccagt gccttccagg agtcctcagc  -  600
cctggggact ctgactcaat tgtacctgca gctcctgcca tttctcattg gaanggactc     660
ctctttgggg gaaggtggat atccaaccaa aaaaaaaaa aaaactcgag gcctctagaa  .  720
ctatgtgagt cgtattacgt agatccagac ttgatagatc attgt                :   765
```

        <210> 3861
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(771)
        <223> n = A,T,C or G

        <400> 3861

```
ggnnttnnnc ctttgaaacc ctttanacaa gctacttgtt ctttttgcag gatcccatcg      60
attcgaattc ggcacgaggc gagactgtct caaaaaaatc aaaaaaaaga aaggggatgt     120
aaaataatcg ctgcaagtta cagtgttttt cattaatgac ttccaaatgt ctcacatgta     180
ttgtctcttc ccagtagcat aaacaaagat gcagggaggt gcaatgagtt cctacaggcc     240
ctagagctga cggtaggggt gggaatacag ttcacaccgc gtcttcagct gtgttccttg     300
tggatgacat ccactggaca gccaattgat aaaaacagtt atcagttcta aagtgttagg     360
acaattacag cttattcaaa gaaaactcaa ttaaggagga gttagtaaag ctagtattgt     420
tcttatcgtg tgcaatgctg cagtgtcggc tcactgcaac ctccatgtcc caggctcaaa     480
tgatcctccc gagtagttgg gactacaggc atgtgccact atgcttggct aatttttgta     540
ttttttata gagactgggt tttgccatat tgcccaagct ggtctcaaat tcctggacgc     600
```

```
aagcctggat ttgcctggct gccatttctg ggttttgccg caattcagtt ttttatgaca    660
ggcagaccag tgagtagaat acagttcttt ggataaagga caaactgaag cactaaaaat    720
ggagagtcat tttaaagcaa aaaccagtgg aaatgtgtac ttggcttcac c             771
```

```
        <210> 3862
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(707)
        <223> n = A,T,C or G

        <400> 3862
ggtgnttnnc ctnngaaacc tttatacaag ctacttgttc tttttgcagg atcccatcga     60
ttcgggaaaa ataacatgtt cactttatga aaggaagaac caggnaaaaa taatagaaaa    120
taatgaacat gagtggagat atagatgaaa gctaaataag cattcactgt gtcttatcaa    180
gagtgactaa taagctgaca gctttatttg agttctggta agcaaattaa tatcatataa    240
atcattacaa tttggataaa gcaaaacctg ttatcaaatt taaaaactgt ttaataattc    300
aacactccag tggtttgcct tgtttaagca aaaggattct ggccaagata ttttacttca    360
gctctctgcc aaagatgaca attgtcagtg atttgtccag agggggggact taagtctttg    420
gtaaggatcg ccaacagctg gaaagtattt attgcataaa atatgtccat gatactttac    480
caacattgta gagaatgtaa gctataaata cagttatatt acaaagagtt tacaatctaa    540
aattaaacac aagaatttac ggaaaaatca ccaaaacaaa ttaaatggaa atatcatttc    600
acaaggttct ttaatttttg gccatatatt tgataataaa tacatatgtg ttntagctat    660
cttacttctc ttcttattct gatttnacct nntgtggtcc cctgctg                  707
```

```
        <210> 3863
        <211> 621
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(621)
        <223> n = A,T,C or G

        <400> 3863
tgnngggcna ganacccgnt ngggctgcaa gggccggctt gacccnacgn atnccggggc     60
ananatgcct gtcnagncnn caaaggaagg ttgtnncgct ttacgcctat tggtggaaaa    120
aancccnttn tngaaggtct atcctcaaan ngcnnntngc gttcncccga ctggccgttt    180
atncaccnct ggnnaagagg ganttnattn naccccgctct tttttanaag annnnaaagg   240
ttcngcatnn tggggcnnnn gnncacactg gctttgaana gcnanagctg agtgacatcc    300
acccagatnc aaaatggtna catgtcaact gtggccgaaa acgnggccgc actgncccat    360
ccgctcttcn ggagnttgtn ggccctttat ncgcacnaaa ttgcagcctg ccggatactg    420
tattcacaca ggctntgagg ggggagggat tgttntcaga atgcattaag cgcnttnaat    480
agcctgcntc ngttgctttg tcaantggtc ttnacatgaa tgcccgtccc ctgaatatcn    540
ngtaatcatc tatcnnacct gggatcgcaa nncgttaaaa canaagggca agtgacggng    600
gtcgtactgn gnaagagctc c                                              621
```

```
        <210> 3864
        <211> 790
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(790)
<223> n = A,T,C or G

<400> 3864
ggngnntnnn nnntttggaa ntctannata caagctactt gttctttttg caggatccca     60
tcgattcgct cagcccccca gtttttatgt ggacatgttt tcatctctct tggatatata    120
cctaggagtg gaattgcttg gttgtgtggc aattctatgt ttagcattcg aagaaattca    180
ttgaatggta agctgaaaag tgacgtggtt gaatttctga tttcagaaag atcactgatg    240
tgatgagaat gaataactct ctggagtgct aggatgtggg ggcagggagc tagcttagta    300
tattattgca aaatcttgcc aaagatgagc tgatcaaatg agaggaagca tgaactaaga    360
ggggagcagc aggagtggaa aagagagata taatgatgct agtacagagt ttatatttac    420
agaacttgaa atgcagctca ngagtgggag gagtcangtg gtgccaagcc tacataaatg    480
agcatggtgt tgcttttgac aaatagggag aagcaganag gggaataaca ttttgtagtt    540
tcttaatttc taatatgtct tgagataggt ctctaattat atgcagctca attnacagat    600
gaaagttatt ggtttatcat gcattcatct ttatgaaaag aaaggattcg gccttgcttc    660
ttccttggta ccaaagtatt ggncagggct tgggcacngt ggcttacacc tgtaatnccc    720
agcgcttttg ggaggctnan gcaggaaaaa tccttggacc ctgggaaggt naaggttcca    780
ntganccccan                                                          790

<210> 3865
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 3865
annctttana caagctactt gttctttttg caggatccca tccgattcga attcggcacg     60
agagtgacta cttagaagat gctgtcccca ccttcgcccc ctccctctag ttgcccaaat    120
gtcttacctc ccccagcttc actcgggcta gtggaggtct tcttagactt cttttcaaggc   180
ggaggattta gagtctgggg tgaagtggcg gtgatggatg gctggggacg tggggctgct    240
gactcaatgg tgatacatca agcagttaat taagggacaa gttatcttct aagtgggagg    300
taaaggattt tctgttcctt tgttcttaat gctcatatta atgccatttt ccctcatgga    360
gacctcaggc tgtgcttaaa acgcttccat aattcctttt ggcactgcta gaggtcagca    420
ttgtccactc gtgaaggaca caggtaagtc acagacattg gggcttctgg ttgttaaagg    480
ccaagaatgt gggatgaaaa ccccccgtgt ccccatagca agttaggggt tgctcancag    540
ggctgttttc attcagacaa gcagctcatt ccaaaccagc cccagagagc cgcttcaata    600
agccattgtc tgcccaagga ggaagaactg ttgtccaagg ctgtggntaa tgcatgacat    660
tggtagttgt tccaacaagt caaaacttgg ttacagaaaa gcagcantga cnaggatctt    720
ggaataaatg ccttggaccc angtgccaag gaattttcca cgcatn                   766

<210> 3866
<211> 1154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1154)
<223> n = A,T,C or G
```

<400> 3866

```
tattgatctc acctgctttg agtccatcnt caattcgnca agccnggtcn agagtaactc      60
tgcactccta gctgggttgc cttaacaagt ctatttaact tttctttagg gtatttctaa     120
gagagttcca aaatggaaaa aaaatnctat ggtggtntgg aaattttaat gaataataaa     180
ttcccatttt aaggttaaaa ataacccaaa aaantaacca cctccgtant ccattaagan     240
cattttagga agnaagtttn cctttanctt tnggggaaaa agggtttttc caatttttc      300
nttggaaacc caaggaaagg gggggttttn cccccccctt gggaaccctt tttttgggaa     360
attaagggnt tttttttaaa aaaaatttta aattcccntt ttaaaaaatt ttttnaaaat     420
nccccccttc cctngggtt ttccccctt ccnttgggcc ccccttttgg ggggggnccc       480
tttttaaatt tttaaaaagg gntttttttt tnggnaaaa aattttttnaa aaangggggg      540
ggggtttta aaanntttt gggggggaaa aaaaaaaaa aaaaaaaaa nnaattttan          600
ttttaaaaan cccccccagg ggggggtt ttttnaaaaa antttnacc caaaantttn         660
ccgggntttn aaaaaaatna aaaaaaattt tccccaatta aaaaataaat taaattttnt      720
taaaaatanc cccnccctt taaaaaaaaa atgggaaaaa aantttaatt tanttttccc       780
ccaaaaaaac cttccaatta aaantttnaa aagtttnttg gnaaacccaa attttttggcc     840
aattttggga aanaattttt taaaaaaatt naaaagccc ctnaaaacca attcggggnc       900
ccccttttccc ctttctttca aatnaaaatt naattttcct ccccgnaaag gggnccctttt    960
ttcctttccc tttgganggg gccttggggg aagcccnnccc caaggnccct tttggccagc    1020
ccccggnaaa ggggggtcct ggcacccttaa nnctnggggt ttttnccttt ccccctgggn   1080
nanggggcct ggna                                                      1140
                                                                     1154
```

<210> 3867
<211> 917
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(917)
<223> n = A,T,C or G

<400> 3867

```
gtgattccat tngatacagc tacttgttct ttttgcagga tccctcgatt cgaattcggc      60
acgaggatca caccactcca ctccagcctg ggcaacgaag tgagaccctg tgtcaaaaga     120
aaagaaaaag agaaagaaa agaaatctga aggtcttgac aacccttggt ccccatcct       180
cctatgactt tgggacctaa atcagagctg gccctctttg taacaagggt gtgggcccct     240
ctatttcact gtantctgnt ttcattccct gcagccctcc ttgatacgaa agatgccagt     300
gacagggcca ggcacttgtg gctcatgcct gtaatcccaa ggaggccgag gcnggggcaga    360
ttgcctgagt tcacgagttc aaaaccagcc tgggcaacac ggtgaaaacc cccggttcct     420
ttcntttggg cccctaagat acaaaaaatt accaggcatg ttggtgcatt gccttgtagg     480
tccccaacta ctcggggaag gcttgaaggc caaggaanaa attggcnttg gaaacttcna    540
gggacaacaa naaggcttgc caagttggaa gaacaaagga atngggtggc ccacttggca     600
attttcttaa gccccangg gcntttccag ggaagccnaa gggaactttc ttggttcntt      660
cnaaaaaaan aaaaaaannn nnnnnnnnn nnggggnccc ccctttnttt taagnaaaaa       720
ccctttnttt taagntnggg aaaggttncc cgnttaantt ttnaacccn tttaannaaa      780
tttcccccca ggaaaaccan tttgggattt aaaaggaaa ttccccntt tttgggnatt      840
ggnaaaattt ttttttggggg naaccnaaaa aanccccac ccaaaaccctt ttaggaaaaa     900
ntgggcccaa nnttggg                                                   917
```

<210> 3868
<211> 847
<212> DNA
<213> Homo sapiens

<220>

```
        <221> misc_feature
        <222> (1)...(847)
        <223> n = A,T,C or G


        <400> 3868
ttgatttcca tncagntact gctattgttc tttttgcagt atcccatcga ttcgaattcg    60
gcacggaggt gagnaacggn gaatacgggt aaaacccttg gctcatggaa agcatagcnc   120
aacataaacc ttttaagcaa accagcgcag agttcccgtc ataagtggcc accatcttca   180
gaaaccaggg ctcntgggtg tntccanaan tttgccagga atttatgtta ctttaaccca   240
ctttggtngg gggaaaagct tttgnaaata gaatcataca tgcatttggt ttttaattac   300
agtgccgttg gcccatnaat ggggnttaaa tttatactgg agcacatggg cacccatatc   360
tgggggtttc cctcttgggt caagggcccc ccattggcca anaancagag tctaaaggaa   420
aatcttgaag gttgaaaaac cnttgggggg aaaggnaaaa aantcaaaat tcccagtggg   480
gaaaaagaag gaaaaatagg gangggctta aaccttgcaa aaaaattgaa aaanttgaag   540
gggtttgctt ggtcnaaata atcttggaan ggggcccctt tttcttgcna agaaggaagg   600
tgnaacaatg ggagnacaac atttcaaatt aaaccattat ttggtaaaaa cnttncttaa   660
aaagtcaatn gnccatncca naaaggttgg aaatgggagg ggnnggtggt ttctttccgt   720
tccaacttgg ggagttcttg gccaaaactt ttttggaagg ggcnttgttt tctttttgga   780
aaagnaaatt aaaaggttnt tttgggaaca ngggncaatt tggagtttnt ggaatncccc   840
aatttta                                                             847


        <210> 3869
        <211> 661
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(661)
        <223> n = A,T,C or G


        <400> 3869
nttgattcca tnntntacng ctcttgnctt ntgcggatcc ctcgattcga attcggcacg    60
agatgaatgt ggaactttta tttttatcca ttattttcaa attggatcan tgtcctcctg   120
atctattaga tctaagacct aagaggaacc taccttgttt tggctagcgg gtacagactt   180
tcttactaaa aggngggtgt atttcctaga atagcatntt ctgttgagta gagatgattn   240
tcaacaatgt ggctgngtca cttnncttca aagtgattat ngagtgtgaa agtaagcant   300
tgtaatactt tttaaccact gtctgtgttc ttaccagatg ggaaaacanc actcgtcttg   360
aaactggaag ttcccagtcc tgggatgatc tganaaggtt ttggaaggga aaaacccctt   420
gttagagata ttgcagttgc atcacacacc agcttgggtg ctgcctagga tcanctgctc   480
agtgaanagt actcttgcta aaccttacac cacccagact atgcgatttg gataagtaat   540
acttatcttg acctgtgttc ttttganggg aaagaatgnc tattgggtag gattattgna   600
aaatgagatg agatatcctt ataaagtttt agcatgatgc ngcctctaat aatctgcatc   660
n                                                                   661


        <210> 3870
        <211> 803
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(803)
        <223> n = A,T,C or G


        <400> 3870
```

1181

```
ttgaattcaa tacttgattc gattttcann cttggcggga tcccatcgat tcgaattcgg      60
cacgagagtg ctgggattac aggagtgagc cacttaggct agccctgaaa tgcttttgtt     120
tttgtttgng ttttttgttt tttaatgaaa atacagggac atggagatgt ggaaagacac     180
cttgctttat tactggtgtt attattatta ttactacagt ataattcatg tatcacaaaa     240
ttcacgattt ttaagcatac ctttcagtat tttttactat attccaaaaa gttgcagcca     300
gcagcactac ctaattccaa aatatttcat aatgccaaaa agcatgcctg cnctattggc     360
tgtcactctg caattccccc ttcttgcagg ctctggaccc aacccccncc cctttaaaaa     420
aaacttcttt ctttntgtat agatgtactt ggtctggggc accttcctct ttatnngaaa     480
aacaaaatgg gggngttttt ggggtttggg ttntcaaaan aaagggnccn caannattna     540
anaccctttt aaaccccggc cnnacccctt tanaaanttt nttngggccc aaaanaaatn     600
tcccccctta tnggggtaa cnnccaaatt tggnnggnnn taatttccca atttnanaaa     660
ccaaagtggg tttttnnccc ccnttttttt anaaaccttn tttttnntgg aaaaataaaa     720
nnggccctgg ccntaannna aaaacaagcc ttttttggcn accaattggt tttttttngg     780
gaggtnggnn aaaccatttt ttn                                             803
```

```
          <210> 3871
          <211> 834
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(834)
          <223> n = A,T,C or G

          <400> 3871
cttnttctac tntttctncc tggaaaaccg ncnnntgcag gacccatcga ttcgaattcg      60
gcacgagggg atttgaatgc ccatgaaata catttttttt tacttgaata tattcttgct     120
tcactttacc ctccataata tgttgtncat tagtgctgat caagtttaca gagttacatt     180
ttgctnncct aaccattcag gcaggaatta aaatatggca ttgttaacaa ctgggaagaa     240
gctcatagng gatatnaatt anagtagata atgggtcacc ttgatagcct ctgnttacat     300
cacttgnata tgggcaaaat aattattacc tatacgtgta tttaagctta atttncatat     360
aaacagtntt ttgaatctat gctaaaanag ataatatcta aaagngtgat ctntacgtag     420
tccttagttt atnagtctgn actncaaaaa gattcttaaa taagcccggc acggaggctc     480
atgccngtaa tcccaacact ttgggaggct gaggcgggcg aatcacctga ngtcangagt     540
tcgagatcaa cctggccaac atggtgaaac ccngtctcaa ctaaaaatat aaaaaatagc     600
cccggccgtg gngggcangc acctggaaat ccccagctac tcgggaannc ttgacgccan     660
gaaaaatcac ttgaaacccc aaggggcaaa aagctgggag ggtaagccca aaanccgcat     720
tnattnggac ctcccaancc taaggggggac aaagaaacgc gagnacttca atcttaaaaa     780
ncnnntngnc anttattgnc nnaaanggna atgnngnccc ggaaaaaaac cccc           834
```

```
          <210> 3872
          <211> 970
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(970)
          <223> n = A,T,C or G

          <400> 3872
tgtnagacgt ttcaaggtca gtgtattagt ggctcatgcc taggggaagg aataacattt      60
ggagcaaaca ggagacaaat tgaaaagctt caggaggaaa ggctaggaaa taagattctt     120
tgggcgagaa taaggacttt aaagagattc cacatattcc tgggaatctg aaagaccata     180
cacatgccta gggctgggca tgtgcttaaa aagacttgag agggccctat gctgtcacct     240
```

```
ctgcctgacc ttcaggctct gtgcaagcag gaagtgaagg ctaaggcata gttataaact    300
gcatgggtga aggttgaaag gtgtgtccca acacagaaca catctgcaaa tgctacgagg    360
cattttgttg ttccaagtgt tcaaagaaat cttttgaatc actactgacc actaagctaa    420
ccaaagactt agtggccaca cctgacaaag aatacaaact aaaaaactaa aaatgtagtt    480
caagaaaata acaggctggg cacagtggct cacatcggta atnccagcac ttttgggang    540
ctgaagcang tgggatcttc tttgaaccca aggacntttn gagaccagcc ttgggcnaca    600
ttggcaaaaa acccccatct tnttgnaaaa aaaatacttt aaaaaaattt tgccaggggg    660
ccctgggtgg gcnnccccac ctttantagg ttncccaagc tttnccccca agaaaggcct    720
tttaanggtn gggggaaggg aatccaancc tttgancccc tttgggggan gggtnccca    780
gggcctttt aaattggnag ncccattaa attcccttgg ncccatttgg gcanctttcc    840
aaacccctt aggggnggna ccacccanat gggggang aaannaaaaa atttttaan    900
ttttcccna aaaacntttg gncccnccat tttttttaa aatnaaattt ttttccaaa    960
aaaattggtt    970
```

```
        <210> 3873
        <211> 807
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(807)
        <223> n = A,T,C or G

        <400> 3873
actgaagctg ccaggcaagt gaggaaccag gagccgtcac tgagtgtggc tgggctacat    60
catagctcat cacggagcta cgactttggg tactgcggac agacctggat aggcccagca    120
ttcgttctga agatcacagt tcacagaagc ttttgcttcg taaagataat ccaaaggacc    180
tgagacccgc ttttcctttt cccttcattc ccttgagagt cagccataaa cggaatacct    240
gctaggttcc aggaatgagc tcacctaaca gacagcaaat gtgtctggtt agatctcagc    300
agagcccatt ctgcaagacc tggctgancc agatgagagg gtgggccctg tgctgggggg    360
ccttgggtca cacacaggaa ccaagacctg gcttccaccc cccagtcacc cacttgggtt    420
atctgctgga agttatcgat aggactgtgt ggccaaccaa gtgcttgtga gatcactgac    480
actgcaaaaa caaagcaaac tgctccgggt accaggactt ccttcaacct ggcaangggt    540
gtgcgctgag gcngggcttg cangtgangg ggctgtatgc ttcaggaact aactaaaatg    600
catgcanaag gtaagaggca tgatgggagg tgttcaagca cacaatncca tttgggaggt    660
tattttgata ctgcgatgan taagggtaan ggccccatgg aatgggcta anggtgggag    720
tgaacactgg ggtgaataaa ttttaaatca attcaggtaa aaaaaaaaaa aaaaaactcg    780
agcctttnaa ctataggggg cgtnttn    807
```

```
        <210> 3874
        <211> 461
        <212> DNA
        <213> Homo sapiens

        <400> 3874
tatccatcag ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgaggaga    60
aaagctctca ggtaatctgt atggcttata agggaaacct gcagtccttt ctgaaagggg    120
agctgtgaat atgactgctt tgtagaaaga tgtcttagga ttctgggtga aaatttttaa    180
ttcccctcat gtaggaatgt cacagagtgt accttttga cttagtattt tcctagtaaa    240
atacaccttt cttaagaaaa tggctacaaa gtcagatgca tgtaaatgct ttcagcaagg    300
gtttattgat catctgcttt aggctgggct ctatgttagg tgcctgtgga ttccattcta    360
gtacctgtgt tctcatagaa ttgaatcctg gtcccccata tgactttga tgatattcac    420
actgttaatt ccaataaaga cagagtagac aaacagaaac t    461
```

```
        <210> 3875
```

```
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 3875
cttggtgaag ttgatgacct ccaatagctc ccagtgtcat gggtacccag tacgcattag      60
ctggtgttgg gttgattgag acctggggca gttcctgggg caagaagcca gatgggagat     120
gagatagaaa gtgttaggag ttatcctctt tgcctggcct ttgagaataa cttactgtgt     180
gactttgggc aagttccttc cccactctgg gcctcagttt ctcacttggg aaagcaagga     240
gtttgaccag atgatcacaa tgggccttcc tagctctggc caccaagaat ttgtgaacat     300
tagagctcct ggtctggtgg gtagagccag agctgctgac tggtctctct gcctccagag     360
gggatttatt ggacctcana ggtggcaggg ccctatggag caccaactgc cctcaacccc     420
accctgtgcc caagactggg aagggattga tgtcaggctg tggccatagg tagcatgagt     480
tgcccaagga gggacagagc atatctttgc tgangcttgg ctgangggct tatgatangg     540
cttgcagtac ctcacaancc cctgtgggca caagacaccc tgaggtttac ccaggccaaa     600
tatatttgat tagcagggaa aaaaaaaaaa aaaaaaaaac tcgaaccctn tanaactata     660
agtgagtcgt attacgtaan atccngacnt tgaataagaa tccattggtt gangttttgg     720
acaaacccnc aacttnngaa tgcccgtggn aaaaaaaatg cntttatttg ggnaaattgg     780
ggaagcctat tggctttttnt ttgtaaccat tttaanctgc aattaaacan nta          833

<210> 3876
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(833)
<223> n = A,T,C or G

<400> 3876
gtttgtgggt gaatggtttc acaccagagt gggatcctct attgcatgta ctcgactagc      60
ttttcattct tatcacactt cccttcctat aaagttacgt atcttttaaa gggaaattta     120
atacccacct tcgctttctg tgcggccttg tgaaaatcag gcaataacaa ggacagcctt     180
attgccagtg tatgaccaga gcatctagat ggcactacta gtggaatgtc atcttgtcta     240
ccattcattc attcattcat gattttctct accanacagt tttggaactc ctagaatggg     300
tcaggtggta ggcaggcatt gggaaaacaa ggttttaagc cattgtccaa atcctcaaag     360
aactcaccat tttggtcgag gggccatggt gagaggtgta tagaacaaag taagaaatgc     420
tgtangagca gagagagaga aagaggccca gagagcacag tggcagagta catctcatcc     480
agagaaacag catcctgcat cctccagagt cctggttcct tcagtttcat nccctttctt     540
cttcttccat ggattatgta atacattgta aaggttttaa ttaattaaaa aattgaaaaa     600
anncnaancn nnnnntnnn nnngnnnnnt tnnnnnnngn ngnnnnnnnn tnnnnnnncc     660
nnnnnnnnnn tnaanntttt nnnntttnnn aaaaannnaa aancnaaagg nnnnnnnnnn     720
ngnnnttnga cnnnngnnna aantnanaan nnnnnngaaa aaaaanaaan nanntnnnaa     780
ttnnnnaann ngnnnnnnnt nncncnnccn nnaannnnnn ggaantnnaa nan          833

<210> 3877
<211> 1213
<212> DNA
<213> Homo sapiens
```

● ●

```
            <220>
            <221> misc_feature
            <222> (1)...(1213)
            <223> n = A,T,C or G

            <400> 3877
cctttnaang gggntttttt tttttggggg tttaaaaaaa aaaaaatttn cccnaaaggn    60
cccntttng gggggggggg aaaaattttt tttttccccc ttttttttccc cccccttttt   120
ttttttttt taaaantttt tttttcccen aattttttc ccccttttt ttttttaaaa     180
aaaaaaaaaa aaaaaattt tttttnaaaa ttttttttt tttaaaaaan ggggggtta      240
aaggggttta anccccaatt tgggtttaa ngggttttt nggggggaaa aaagggaaaa     300
aaacccttta ncccttaan ttttnaanaa aaaaaaccc ccaaaanttn antttaattt     360
gggttnggg gggggaaaaa aaaacccttt ttccccagg gccccccct tccttgggg        420
gttnaaaaaa ttngggtggg gtgggtccct tccaaaaaaa tttttgggnt tccttgggg     480
aaaaaaagna aaanggggg ggggaaaaa ggtcctaatg gaaacccgaa ctttttcaa       540
acctgggccn attnccatat acccaatggg ttaaaacttt ggattcttat gacatattcc    600
tatgaaaata ataaatactg gcctttcct tgcagaaagc ctcagacctg aatcagagaa     660
aatcatatgc caaagccaac tgccagtgtt agacctcttt ttncataaag agtaaatggg    720
aatgctaaca ctagtgggct tattgagaaa atttaaaggg tgctgtagtg tttagaactt    780
aggctggaaa accatatttt agtgcatcat tttactacat gatcttccaa ttagatagct    840
tgtaatctgg tccttacagc acttgctgnt ggtacatgtg aagatttat aaattttaag     900
gaaaggtgtc tatgatatat agtgaaaagt gtgggaaaag aatatagaaa ataatattca    960
cttctnaaac cattatgata aaaatatttg tgtatnggat taagaataga aaggggatta   1020
tnggatggta tctatttcaa tttctcagnt tatggttngg gccttncctt ttttggaaag   1080
gtaccctgg gttattgcct attggaataa aatggatatn aatggggtaa aaaanttntt    1140
caaaaggncc cnaaaaatgg aaaatnccaa aggaatttcc cttcnttttg gacctanttt   1200
taagggnaaa aga                                                      1213


            <210> 3878
            <211> 972
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(972)
            <223> n = A,T,C or G                                      ..

            <400> 3878
tccaccctga ctcagccttg gtgcagagtg agactctgtc tcaaaaaaaa aaaaaggaat    60
cagtttgggt cttggcagaa atcaacataa gggaatntga caagaacccc agtaggtaac   120
cctgagtgct caaggtccga gcctgtgggt ctcttttacg gcttcatgaa aaggaccgtg   180
ccctcacngg aggggnacc caccggcttt gggctttgtg ggggtctta aggtgnatgg      240
cttgcccttc tttttnttca ntcaacccac accccaagct ttttttggct tgggcacttt   300
nanggggaa agaagaagcc ancccaaaat ggagnaagaa ttttaaccct tttttaatct    360
tccccaacc ggaagccgaa aaaatggttt ttccccttg gtttncaana agnangggaa     420
agttaaccca ntccccnttt antgcctttg gaacctnggg ggggttttcc ttttttggtt   480
ngggttgggt tttgggtttt tttncttttt caaatttggg naaattnctt ggtaatttt    540
aaaaaatggt ttattggtcc agccttggaa caccattggg gnacaacntc cttgaaaaaa   600
ggtngacttg ggcccccccc ccctgtttt gggccggtga agttttccgn accaccnggn    660
cttnaaaaag tggtcccttc ttgctttcgt ctntttgttt cncttgcttt tgtaaaaact   720
ttnggtccca agcttgaana cattggcttt gtaaaaacgt ngaagagtca atnccnaang   780
ggggttattt gtcanaaana acttgnccta tgccctttan ccgaangcag tcnaatcntg   840
ccagttggat ttttcttact ggnggaatga caagaaacag ggattnattt tgcncttgcg   900
ganaattttc cgggagtgnc tntttaatat tttnagaccc gattctttga catnttantt   960
gactccaaaa na                                                       972
```

```
<210> 3879
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(884)
<223> n = A,T,C or G

<400> 3879
gggtaatatt ttgttttata acagtgattc agtatatctg aattatggat tatatggcca      60
tagaactaca agcaaaaagg atacacaaac aaattttgta gttaagacaa atctgttgcc     120
taagatcaag aaatgtaata gatggaggcc atgtagaggt tagaaattca aagaaatcga     180
ggtcaaaaac tggccaatca taacggcata gggattagtt cctaaatttg gtcacttgag     240
aataacagtg tgaatagagt ggagtggaag atgtgactgg tgttgtttct aaaaatgtag     300
aattgtcctc ttagttgggg tctaggtagt ttttgagagg tgaatataga cactaacttt     360
ttgttttaca actgaaatca aattgattgg taatttgcaa caaaatattt tttgaccccn     420
ccatttatat cttaccatgt atattatttt cactnggntg ataaagccta tgactacctc     480
gtcagaatac atcatttgct aataaattag ggtttactgg tactgntgga ataacccgt      540
ggcattctac cctccgagaa tcctgttcag gtggctgcac cctttcaaaa tccantgggc     600
gtttggccat ttgnaancct tgtnttttтn ccggggggaaa ccaccanggg tcaagtttan     660
ttanggcctt ggcccagtta aggcctggac cgttntttcc ccaattttgc ttggntttgg     720
aaatggaatn gggttttcat ttaattnaaa gaaanttgct tgttttgggg ccccatggtt     780
gtggaaaaag naattcnntg aaattgggcc ggttttgaat tanttttaaa tcnttantcc     840
ttaagaaaaa aaattttnga anccntttng ggggccnttg tccn                     884
```

```
<210> 3880
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(998)
<223> n = A,T,C or G

<400> 3880
aanaaaatta angngaancc tttaaaantt gggcccttgg ganccсaatt tnacccaatt      60
ttttaanccc cccaatttgg gaaatttaaa aagggttncc aaaggaaaaa atttancctt     120
tgggggggaaa ngggggccca aaaaaaaaaa agggaaaaaa ggaaccctc ctttgggttt     180
anggnttncc ttttcccc aagggggggga agggggggg ggggggaaa aaaaatttgg     240
gttccaaccc aagggaaccc angggggaa tcccaagggg gaagggttcc aatttgggaa     300
ttgggaaccc cttccaaggc ccaaggccca ccttttcttt ggggaaaag gccccaaaaa     360
cccaaattgg aaggggccaa ggtttttttc ttttcaaaaa gggtattga aaaagaaaaa     420
aataaattac ttggatgcca gccttttctt ttttaaccaa acaatgaatg aagtgtgaag     480
atggaatcaa gataagttca gaaatgcatg actttaatac atgctaatag tggagatggt     540
gcttaaacta aaaacagaag tcatgtgatc caggacgcac aatcctctgg ctgatggtag     600
aatttgatct gaaataggag acatgctgtg aaaccagtct aggatggaac agatcaggag     660
ggttctggtg agagtcttct tcaagaagat gatccgcaga atacccattt gaatgtggta     720
aaaggagtta taaacagctg agagaataaa tctaactcag gggaaataga agtggtaatg     780
tatgataagg tcactctgaa tatgatatat ataatcatgt tatgtaacat tgaatattga     840
tctacccaaa ttatagtgat cttgagaaaa gaatagagat tctacagagt taatttctct     900
tctttgggga agtctcngat actctaaacc aaaatcatga tatgtngacc tgtcagaata     960
tgccaaagat actaatgntg agtgtgcatg gaatactg                            998
```

```
        <210> 3881
        <211> 820
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(820)
        <223> n = A,T,C or G

        <400> 3881
tgtccctaaa acttaagtta ataaaaaata ataaataaat aaaaataaaa aaataaaaac       60
acattntaaa gggggcaatc cagatggcca gtaaaccatt gtaatagcca gaaattggaa      120
acatatattc attgacaaca tttaagatta taatatagtc atataatagt cctgatataa      180
caatggaaat aaaattacagc tacacacaac ataatggata agtcttaaaa agccacatgt    240
acagaataca taccatgtga ttctacttct gtgaagtcaa gaacagacaa aactgaaata     300
ctcatgtaag gatgcacact aaggtagtaa aactataaag cagagcaaga gagttattac     360
tataaaagct ctgtcgaggg acaggagttg caattaggaa tatacaggga attctgtggt     420
gctgagagga tttgttgatc tgggtgatgg ttacccangt gtttattcac tttgcaaatg     480
attaagttgt atatatgttt tacttaagtg gtatatttca tagttttaaa aggtttaaaa     540
aatntagaga atacagcctg ggcatggtgg ctaacacctg taatcccaca ctttggaagg     600
ccaagacagg aggccgagtt caggagttca agaaccgnct gggcaacatg gcaaaaccct     660
catcttntgc aaaaattttt ttaaaaaatt taaccccggc ctggggggca tgtgcttttg     720
natagtnccc agnccccttg ggaagcttaa ggtngggagg atnacctta acccccggag       780
gccaaaggtt gcantggatc ccccaatgga tgccncttct                           820


        <210> 3882
        <211> 833
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(833)
        <223> n = A,T,C or G

        <400> 3882
catttatatg agcaaaccaa gttttacata acatgctttt ggtatgtatt atgacttttt     60
acatttctac ttggatttcc tcttcagatc tcagtttcca caaatctgca tccaggttca     120
gggcctctga ttctgcacaa atcatatgag ccaagtggat tgattactag acagatcaga     180
tccttcccca gctaataact ctgccttctg attccagtcc tcaaaataaa ttgcagcctg     240
ccattttctt tatgtttttat aagggaggag tgaccacctt ttgtcagttt gcttagtttc    300
ctattctttg ggctcatctc ccatcttttt tgggtagtct tgctaggagt ggttgggaac     360
tctgaagccc cattttccca agttgctgag agctatcaga cttttagctg caggctaaga     420
gctctgttgc aggcctagtg attggcatta aaagtagggc cangaaatct gtcctcatcc     480
tcaaatgaga ccaacagata tgtattaaag tggagctgga gtttgtcctt ccacccgaga     540
ctaccaaggg cctttgatgc ttaatgggaa tgtgtgtcta acttgctctt ctgacattta     600
gcccgatgaa aataaaatat tntatctgtt taagtcnttt ccnaanaaaa ananncaatn     660
ttntnnnngn cnnggngaan ggagnnnnng ggtntnnntt nctannncnn gnnnnncnnn     720
cnannccnnn nggcnccccg nnncannnnt nnnnttgnnt ttaaanaagn cnccnattgg     780
nttnnnnnan nnnnnnnngg gnnanannnn nnccccccngg ccnnttnggg nan            833


        <210> 3883
        <211> 863
        <212> DNA
        <213> Homo sapiens
```

```
      <220>
      <221> misc_feature
      <222> (1)...(863)
      <223> n = A,T,C or G

         <400> 3883
ggacctggct gcctgctctg acaggtacct gtcatctgcc caccatgggc ttctgggacc      60
tgctgtagcc cctgccaccc actgctgcag acccacccac tctcagctta gctcaaaagc     120
tgttctctaa ctcattnctg acnaatagct gnangngttn ccatgantng cnnttnatnc     180
aactctggna aagagggatt taatttnann gncncttttt nacangatnn aatatgttnn     240
gcnttatggg gnnnnntttc acantggttt tgaanagaca naagctagan tncatcntaa     300
nacccagatn nanatgnggn natttgcaga gctngtnncc gaatatcggg tgccgtcaac     360
tgattangat tacanttgtt acngtgcagc cttggnatat nggccanntt ttaatntngc     420
caaccnatat acnttgncaa agccnttngt ccgggntatt aacttgggna ncncngcann     480
agnnacngnt tnncatggan tntgggcaaa gcgngacttn gtttnaatan nccaanggan     540
ataatggnna attttaaang annntccctt tngtganana antccaaggc tccattgttc     600
tgcccngttt tttncnattt ngtatcccaa aatgttgtgn annctttttaa naaaccaant     660
ggggaaattn gaacccnctt ttccanctct tggtgaatat tnttnnantg gtttaaaatc     720
ccanttccta aatcnnaaat anccectggg gggnatncng aaaaagggcg ntttgaaaaa     780
aaanngaaaa naagggggna caatagtttg aaagggnngt tttttcnant tnaatttgga     840
aaggtnntnn tanggcaacc cct                                             863

      <210> 3884
      <211> 904
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(904)
      <223> n = A,T,C or G

         <400> 3884
taggncgttt gtatncaaat ggtggtaggc ccggcctatc cactgncaca aagcgggcaa      60
tggcccctca agaaccaaga tgatatcacc ctccatcaag acagctcgga aaagtaaaag     120
ggcatcaggg gctggaggat aaaatgatta tgataaccca ntggtggatg tttgnttata     180
tcaagtcaac ccagtattaa aggcctgcct gatatacaac cctcgaatgc aacacagtgt     240
ccttctgagg ccactctaaa ggccangaaa ggtttgctaa gaagtctgtg ctgttaaaac     300
agaagaaaaa gaccttatcc attntctgtg ctggtggtat agggtagatt cataaaaaag     360
aaggcaaaat atttcaaaat gatcaagaaa tntgcaagat gcaagacaga gtctcaagac     420
agtgccagga caggatagca ctcataacat ataacactgt gtantgctgt tgagtgctgg     480
ctgttgttga gtgctancta ttggttgagt gctttgttgt tgagtgctaa cttgcttgag     540
tgctanctgt tggtgantgg cttggttggt tgantgctaa ctggtggttg aatgccttgg     600
ttggttgaat gcctaacctg gttggttgan tggaattggt tggttgaagt tgccttaacc     660
ttggttgggt tggaatggcc taanccttgg ttgggttgga aangcctttg gtttggtttg     720
naaatnggcc ttaanccttg gtttggtttg gaaatggcct ttggtcccct tggcccctng     780
ggggccccct gggttttttt taaagccccc ttttgggatg ggtacccaan ttttttccttn     840
cccanttttt aaaccctttt ccccccaaa ataaaacccc cccttatntt aanggggccc     900
ggcn                                                                 904

      <210> 3885
      <211> 911
      <212> DNA
      <213> Homo sapiens

      <220>
```

<221> misc_feature
<222> (1)...(911)
<223> n = A,T,C or G

<400> 3885
atatccacgt ctcagtcggt ggatgggtaa tgggatgccc gcttcccta ctccagatga   60
ttgatgaaga aatggaggtg tatggagatg aggtgacttg cccaggatca gagctttaag   120
tgacagaggc aatattggaa ctgaggtttc cctcattcaa aagccagtgg tgcttgtttg   180
cactgccaca ctggagcaga ctaactgaga ccgctcttga tgggtccttt tctacgagag   240
gctttgcctg ccacctgcca gcatcaggtg atcagaagat gtggtatgaa gaccattcag   300
cccgggcgca gtggctcatg cctgtaatcc tagcactttg ggaggccagg gcgggtggat   360
cacgaggtca ggagatcgag accatcctgg ctaacacggt gaaaccctgt cttctattta   420
aaaaaaaaaa caaaaaacca aatactcagg gaaatagccc ttcagnttnc ttcacccact   480
tcagaaaaaa tagggaaaag gaaaagaaca gggattggga aaaaggaaaa aaagnaaaaa   540
nggganggga tccgctttta agcccttang gaggtttta aagaattaag ttcttggggg   600
ccaaatanta agtnggagga anccctggg ccttcttan ttttaaaaaa annnnnnnnn   660
nnnnnnnnnn nnnnnnnncc tttcgaagcc cctttttaaa aaactttta gggggggtc   720
cgtantttac cgtnngaatt ccccgnacct tggntaagga tnccnttggt tgaagtttng   780
gaccaanccc caacttgaat gccgtggaaa aaaaatcntt atttgngnaa attgggagct   840
nttgctttt tgnaacctt ttagntgcat taacaagtta ccaccaccat tgcttcnttt   900
ntgttaggtc g   911

<210> 3886
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(819)
<223> n = A,T,C or G

<400> 3886
tcacctctct ccccaagaaa aacatgtnaa atgcnagact gtgtgctctt aatgacatct   60
atattaaggg atctgaantn tccatcataa atgaacatgg tacttaccaa atatcttctg   120
ataantcatt cagtgctcag gntctatgtt tnttctcctg tccaagagtg aacaaactac   180
acatnaccaa aatattgtaa ggctaagnaa taataacggt gactgnnaaa atgggaaatg   240
agatagcgtc aaacgtttgt gacaaataaa agcagtcacn gtaaacactg gnctttncan   300
ccccatnaat gatgactttg tncccaactt gnattcccaa cngcatcnca aanagtaaaa   360
ngagtcacat ggganataaa acatcatttt tatcacaagc ttataacggg tnatttttt   420
ctgactntgn gttggagggt aannggggctt gctnatattg catgcagcan ngaacttacc   480
cgncatatgg atgcctccct ctatgctagt ggtcctcncc tttatggccc anggatcana   540
ntcatggaaa gacaggtatc cctgngggaa ggtttnggga tgaaantggt tcaccttaaa   600
tcatcaggca ttaaaattct cataaggcat gtgcaancta aatctnttna catgtgcagt   660
tnacaaggaa nggggtggca cttcctctga aaaatctaat gcctccctgg tctgccagga   720
aggtacaact tggnttggga angnttgnnt tggtcncngg tccacatcct ggtgngccgg   780
ngnggntncc canaaggccn ccggctggtn ncnaattan   819

<210> 3887
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(771)

1189

<223> n = A,T,C or G

<400> 3887

```
gaactgaaag atgatgcaca atcagtagaa actctgggaa agccaaaagc gaaacgaatc      60
aggacgtcaa aaacaaaaca agcaagcaaa aacacagaaa aagaaagtgc ttggtcacct     120
cctcccatag aaattcggct gatttccccc ttggctagcc cagctgacgg agtcaagagc     180
aaaccaagaa aaactacaga agtgacagga acaggtcttg gaaggaacag aaagaaactg     240
tcttcctatc caaagcaaat tttacgcaga aaaatgctgt aatttcttgg gaagatttta     300
atgtacacct atttgtaaag tcatcagaat agtgtggatt attaaatatc tagtttggaa     360
gaaaataatt tatataaatt attgnaaatt tttatgtaaa cagaangtct tcaataagta     420
aagtaactcc atatggagtg attgtttcag tccaggcaat ttttctattt tatattaaga     480
cttcatacat ttatatatgt aaatatggct tattaatgga atgttaaata aaatgtatac     540
ttcaaaaaaa aaaaaaaaaa aaaaaactcg agcctntaaa actatagtga gtcgttttcc     600
gtagatccaa ctgataagat acattgatga gtttggacaa ccacactnga atgcagtgaa     660
aaaaagctta tttngaattg tgatgctatg cttattggac catttagctg cataaacagt     720
tacacacatg cttcnttatg tcagtcaggg gngggggagg ttttatccgc c             771
```

<210> 3888
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1232)
<223> n = A,T,C or G

<400> 3888

```
gatttgaatt cnatacanct acttgttctt tttgcaggat cccatcgatt cgcccaggga      60
atgctggctt cctcctattg ctattccttg cctttcctaa tgccttgaat cagtgcattc     120
attcattngt tcatttcaat cangaaatat ctgtttagca caaacatatg atatttattt     180
atctaaagtg ggaaaaagaa atattnggna tntcttcaag tggtntgggt nncctggctt     240
ccctggagga atttttaaaa aaccgatnnc caaaccattt ttttttttcca ccnagnccaa     300
gggttttggg nttggcatta ttggttattn caaaaaaagg gttcncctta aaaaggaacc     360
accaaccccc ttttttttaac cccccggttc caaaattttc ctttacnaag ggtccggaan     420
gtnccaattt nttttttcct tnaaaaaaaa naaaaanaaa aaagggaaaa ttgggtgggt     480
tttaaccana ccaaattggt ttttaagtaa aaaaaatttt ttttaancccc ccancccaaa     540
aaagngttgg gttggnccca nttcccccca naaangggggg gggnanattt tttttnnaaa     600
aanttttttt ttnnnnnnnn nnggggggggg gggggggcaaa aaaaaatttt gggggaaaaa     660
aaccaanggg ggccanaaaa atgggggttcc nttnaaaaat tttaancccc nggggggggg     720
ggaaacccccc caatttggaa aatttantttt ccaaaacgtt caaaaaaaaa tttaaaattg     780
gngggtnaaa ttaaaccctt ttttngggga aatnggggggg ccntttaaaa aaaattaaac     840
cctttaaacc cttngggngg aatttcccaa ntttttaaaaa attanccccca attttngggg     900
naaaatttgg gggnaanttt tgggaaccct taantttttt ttnttttttgg gaanccattt     960
gggcccgnaa aaaaaaaata attttttccca aaaaaaacca anttaaccaa gggctttttt    1020
ttaaaaaaaa aaatttgggggg gccnttntttg gaaaaaacca aantnggttgg ggctanccccn   1080
gggttggcccc acccanccccc aaangggggggn cccccttnggg ggggttttttt ttcttnaaaaa   1140
ngggnaaaaa atccttttttt ggagggccaa anccggggga anccaaaaaa anaaagggtn     1200
ccccnacntt taccaagggn nnaattgtgn tt                                 1232
```

<210> 3889
<211> 835
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(835)
<223> n = A,T,C or G

<400> 3889
gagcctgatg cagcttgtct gtctgatgct tttgttcccc atccacgtcc cccccagtgc   60
tgaagctgtt tcgtgtgtcc ttacagtgtt tcctctgcac ttccacttgt ggttgataag   120
tggcagggg acaataaata gagttgatga aagatgggct tgggcagcag tgggcccaag   180
tgaggcagaa atgagaaaag gactcctggg gcagaggtgg agtgacaaag ccttgagcac   240
gagggtgtga aatgtgaact tggtgctgac ctctattggg cagccggggc accacggagg   300
tggatgtggt gtcagtgaga ccagtgagta attttagcag agatacttta gggatgactt   360
ggggagggca gcangctttt ttaaaatata tatacttccc aaaataacat tgcttcagag   420
tagtttccta actgccctgg gacaggcctg agatcctgtc ccagggtact tggggggcac   480
atcctgtctt agggagaggt attcaccntc ccattcccat ccccagtcct ggctgctttt   540
cctaaatgca tcatttatcc cccacattgc cccattctaa cccatatcac ctctttagag   600
ataccttncc cttcattgag ggagcatncc tnttataacc attaacttcc atattctggc   660
tgggtttctt ttaaaagcac ttgtgnaaaa tttnggaagt antttaattt ggttaaaacc   720
ttcattggcc tcttttcctt ccatttaaaa aggngaacct nccttgaaaa acaaggggac   780
ccggggggga ntctaatant aattcacctc ttggattccc ttaanccccc taaac   835

          <210> 3890
          <211> 880
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(880)
          <223> n = A,T,C or G

          <400> 3890
tgtgatgaaa agtgaagctg ataagggtat agtggtgact tagggtgctg atttagagtt   60
nggtcagaga aagtctttct tgaggagctg tgtgagggtt tgttcctatc taaaggcnca   120
gaggagattc aggcccattg aagatgagaa aacnctcctg gacnacnttc ccactttttt   180
tgtaggacac tgttttgtna aaatttacat atatggctaa atagtctgaa actatggntt   240
cantggaanc aaccggtatg tgcccatgga agagttttcc caggaaaaga aaataattca   300
ttacagnttt nctggcnctc tgaaaaggga ccaggagctg ggaactgctg aaggctaagc   360
tgctgctatc tgtggnctca aatggagagc cgctatgaaa atgctgcttg caaggggcac   420
attatataat tctatggggt gatatcccta attttagaat ggaatgaacc taaactcttt   480
tctggantat gttttgga t ttagccccaa aaaatgcctg gggangnggg anggacccc   540
ttaacttacn agcccatttg gcntggttct ttggggcatt tggccngcca gaagannggaa   600
ccagcccctt tttacctttc atctgaacct gggntggcct ttttttttta aaggnnaaat   660
nnnnnngnna naaannnnna aaaccttggn ncctttttana actttagngg ngtccgtntt   720
tncgtaanat nccacacttg gataagnntn cctttgatgg aggtttgggn ccaaaccccc   780
cccttggnaa tgccngtggn aaaaaaaang cctttntttg ggggnaaatt tggggangcc   840
ttttggcttt attttgggaa ccntttnttta ggctggccan   880

          <210> 3891
          <211> 808
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(808)
          <223> n = A,T,C or G

<400> 3891

```
tcatagtcta aaactatcac gtctgagttg ccttaggatg acagtgctga cacccagtag    60
gaagtatccc atttttatca ggaaagtcag tcacgcgtag ggatggtgag gagacgcgta   120
tggatggtga ggaggggaga ggagggagac ctgctggtgc ccttgcacca gggtgaggcc   180
tgactcacgc tgcttccccc cacaggccct gctntgcttg cctgctttt ccagaatcga    240
ttttgcaagc ttcaagattc tgttcccctc ttcgcacaag tgaggaaggc aaatactcag   300
ggtttgaang gagacctgcc ggcctgaggg ctggcaaatg tgagggcagg acacctggga   360
tggactcgta ggctgaccca ggcccaaagg gggctgcctg ttcccaactc tttcactctg   420
taacccattt taaaatgagt ttttgaatct tgcctcaaat tgacctactt ggataaaatc   480
agtgcttttc ctaacttgat tttgtttgac gtggttccct ctaagaaaat ggtaggaatt   540
gaaactattt gnatatgttg aaatttgtag gggttcanga cccatggcag aaacacttaa   600
actatttatt tacagtatga ctattttttt tcaaagtngg caattctttt gtatatttta   660
aggcaaataa tcactttacc ttttggtgcc ttncatgcgt cgcantaagc actcttgtca   720
atcatggnaa ttgggaaaaa aagatgtcca tttagttaaa caagaaaaca ctattttgta   780
ncatgaattt agaatggggn cctttaa                                       808
```

<210> 3892
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(814)
<223> n = A,T,C or G

<400> 3892

```
gaatgtcttt gcttgaacac cccagtccac accttcgtgg ggcatgatga tgtggtcctg    60
gagttccagt ggaggaagca gaaggaaggt gagtgggaga ggcctgctgc ccactttcct   120
tctgagctct ggtgacagcg gtgccagtca gtgttgccat ggagtccagt aaagaagaca   180
tagagagagc tgggctttag gaaccagaga gccagggctg ttgccacctt tcgtcatang   240
tgagtaaagg gactatatag gctgctgtta ctcttccaaa ttctgtcctc ttccacaatt   300
gtcagcgtag tctctcttgc ttggaagaga tatgctccag taagagacgg aagatagaga   360
tttgctgttg gattgtttct gggactgaaa gactctgggc tcacaagtcc agggcatttg   420
cccccttgcca ctctgttgat ganggagacc caaggtggtc tttagtactg cctactacat   480
accctcagtt gtcttcacaa gcatgtagtg ctctgtctca aaaaaaaaaa aaaaaaaaa    540
ctcgagcctc taaactatat gagtcgtatt acgtagatcc ngacatgata agatacattg   600
atgagtttgg gacaaaccac aactagaatg cagtggaaaa aaanctttat ttgngaaaat   660
tggggatgct attgctttat ttgtaaccat tataagcctg caataaacaa gttaaccacc   720
accaattgcc ttcatttttt tgtttcangt tcaggggggga nggggnggga ggtttttaa    780
ttccnggccg gggggcccat gcatttgggc cccg                              814
```

<210> 3893
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> n = A,T,C or G

<400> 3893

```
taaactttat tcttttgtt atcgtttgtc ctctggtagt gatcagtggt cagtctttga    60
aaagaaagga cctatgaact caactttagt tacagcaaag aaatgagtag gagacggagg   120
gaatggccag cagccattga agagggagag caggctgggc ccaaggggga cccagtattg   180
```

```
gcagaaagga aagctcaggg tgtcaagtgg gcctgagaag ggatcatctg gctgaacaag        240
agaggtccac atgtagctct cagcacacac ttgtgcattc cagcttcagc atttgctcac        300
acgagttccc cgcctaaaat gcctgacatt ctccctctct acttaactca tgtaataaat        360
ttttactgaa tgcctgtaag tgccagcttt ctgaacagag ttggtcacag ataaaggtgt        420
gttgtagagt cattaaaatg gtcaggtatt tgactggatc tccagtcgga aaaaaaaaaa        480
aaaaaaactc gagcctntaa actatagtga gtcgtattac ctnnatccag acatgataag        540
atcattgatg agtttggcaa accacaacta gaatgcagtg aaaaaaatgc tttatttgtg        600
aaatttggga tgctattgct ttatttggaa ccatttntaa gctgcaataa acaagttaca        660
accaaccaat tgcnttcatt tttntgtttc aagtttcagg ggggangtgg tngggaaggt        720
ttttttaatt tcncgggccg cggccccaa  tgccnttggg ccccgggacc ccacnttttt        780
gttccttttta ntgagggtta attgcccct tggnggtaaa catgg                       825
```

```
        <210> 3894
        <211> 836
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(836)
        <223> n = A,T,C or G

        <400> 3894
gccatcctac attccagtga gggttgctga aaaaatccta tttgttggag aatctgncca         60
gangtttgag aatcaganng tgaacctgnc tntanangga tccattttgc aaaaccanga        120
anacacttta tgctgcacta gctgcaccgt cctcangcag nanccactct tcagctaagg        180
tggactactg aacaggtggc ggatcgcatt angcagcact gtggctgagc atctntngaa        240
ncnnatggtg gancaancnn nttnactggg tnnncngaag accatnnnat acnttnacct      · 300
nttgggacca tganaactgt ttccagcccc tantgacgca gcgaaacaca tgtatgaaaa        360
caccanccac tggtagtact gatcatgatg tgaagtgtgg cctntctaca gttaacngcn        420
cggtgtattt gctatgatga tgacaccttc ttcctctgtt gncttgacgn gcgnccntac        480
ggcaaggagc gcaatatatg tantcaagcg ngagaagggc cttcnctgnn aacttntacn        540
cgnaagcccc tgntatggct gggnngccct aagtctttnc tacaangtac aggaggcccc       -600
ttcataaaac tcttcacccc acatggncct gnaaaagnac aaagtggntg ttaagnctct        660
aacttgatgt gcgnccgggn gcannctgag cttgcaggac ttgctggcc  ttnaaaangc        720
cngggcagg  aanttnaagc tngaannana aatgangcca atcnanttgg gnccnaancc        780
aaatcanctg gggtttttgg gngganaaaa tcccnggact ntttnccggg gttttn          -836
```

```
        <210> 3895
        <211> 767
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(767)
        <223> n = A,T,C or G

        <400> 3895
tgaagacact gaccttgtcc cgctacatct gcgagatgac cctgcaggaa taccactatg         60
tccaggagaa ggcttccaag ctagctgctg cctccttact cctggccctc tacatgaaga        120
actcggatac tgggttccct tcctggacat tacagtggct acagtatctc tgagcttcac        180
cccttggtca gacagctgaa caaactgctg actttcagtt cttacgatag tctcaaggct        240
gtgtattaca agtattctca cccggtcttc tttgaagtcg ccaaaatccc tgccttggat        300
atgttgaagc tggaggagat tttgaactgt gattgtgagg ctcagggcct ggtactctag        360
cagcagccac agggctaagc atgcatgtta acagggtata tttattctat gntcgaattt        420
```

```
gcttttgatc gcttttattc attttttcctt tctttgnctt ttcccaaact gataatgnta   480
taaatattta tgttgcttgg ttttatgaaa gaaaaaatat tgncatattt gactacaaat   540
ttaataaaaa aattaatggg tattggtaaa aaaaaaaaaa aaaaaaaact cgagcctcta   600
aactatagtg agtcgattcg tagatcngac atgatagana catgatgagt tngacaaccn   660
cactagaagc cggnaaaaaa gcttattggg aaattgggat gctatgctta ttgnaccatt   720
taactgcata acaatacaca catgctcttt ttgttaggtc ngggngg               767
```

        <210> 3896
        <211> 961
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(961)
        <223> n = A,T,C or G

        <400> 3896

```
ggagatgaag gttggcagca nctggtcatg aangtgttaa caaggggcct tcactgggct    60
gngcgganct nctgaagatg tttgcncaag agaagggttn ggcctggtac acatnaaaac   120
tcctgggacc tcggaggtga tcgagcctaa ccnggggcca tnntacagat atgaagactg   180
agatgaagac aggagaaggg ncatgctgng aagtccatan actgggcctg gctcctgggg   240
taaactaatg ggnacaaann tctgangatt cctgcntana ccacnaaatg gacagggnca   300
aggcccntga tggtnagccc atgcctgaca ctgacnantt nacagnccaa gaacacagng   360
atgaagaata aaaagtggta caatcggntt cacttgtgcc accaggatac tttcaatgat   420
tgcnttcctg tnccacaaan ttcttttant cttgggcggc gacncaantg anggannggg   480
gaacttatnc atggacgccc cctttttctt cgantgggan ggaccacttg aaaacttcat   540
ggaaaggccc anaggtttac attggccccc cattgnacct tgagcccnaa gcttgggnaa   600
tccaggaacc ttngggaaat ttggggccnc cttggngggg cttgacccccc ccataanaag   660
gttccaagnt gggcccccnt gccttanggg atnaaagccc gttttaaacc aacaatttan   720
ggggttaaag ggttggccct ttttcatngc cccccccntt naagngtaaa aanaaanggg   780
ggnacccttn tanaaaccnc catngggaaa aaaaaaactg ngggggccttg gggnccccct   840
ttggggaatg ncnccagnag aaatncccna ggggccttna aaaccttttt cctngggggcc   900
aataancctn aaantttgct ttnttttaaa aaaanattcc ntggaacann ggggggaaaa   960
n                                                                   961
```

        <210> 3897
        <211> 832
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(832)
        <223> n = A,T,C or G

        <400> 3897

```
gtttgcangc tcatggagga agcagcaggg aaaacctggc gctgcaaaat gtgcaggctc    60
gaatacggat ggtcctcgcc tatctgtttg ctcagttgag cctctggtct cggggtgtcc   120
acggtgggct cctcgtgctg ggatccgcca acgtggatga gagtctcctg ggctacctga   180
ccaagtacga ctgctccagt gcggacatca accccatagg cgggatcagc aagacggacc   240
tcagggcctt cgtccagttc tgcatccagc gcttccagct tcctgccctg cagagcatnc   300
tgttggcgcc ggccaccgca nagctggagc ccttggctga tggacaggtg tcccagaccg   360
acgaggaaga tatggggatg acatatgcgg agctctcggt ctatgggaaa ctcangaagg   420
tggccaagat ggggccctac agcatgttct gcaaactcct cggcatgtgg agacacatct   480
tgcaccccga gacangtcgc ttgacaaagt gaagcggttt ttctccaagt acttccatga   540
```

```
acagacacaa gatgaccacg ctnacacccg cgtaccacgc cgagaactac agcccttgag    600
gacaacaggt ttgatcttgn gaccattttn tgtcaacaca aagctggcct tggcaagttt    660
cggtgcatan aaaaatnaag tgctacaagc ttcgagccct ntanaactat agtgagtcgt    720
nttacgtnga tccncacntt gataagaatn catttgttga gtttnggnca aaccnccact    780
tggaatgccg tggaaaaaaa gcttttnttt tgtgaaaatt ggggaaggct nt            832
```

```
        <210> 3898
        <211> 821
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(821)
        <223> n = A,T,C or G

        <400> 3898
cttaatgtta tcactcattg aaaagtttct tttaaaatta tatatatggc ccaatcttga     60
actatcttat tttggaaggt tttatctatt tttaatttat gtcctcccgc ctttctcata    120
cccagctcca caagaaaata cagatctgca gaaaatgatt tgaatgccta ctttctcact    180
cgtccaagga tgatgctgca tagctagtac cactctagat gcttggaaga aaagttaatt    240
caatcaacag atagtgcatt agagtttaat tcttttatag aactccattt gagaggggct    300
cttaaaaatt aagagcatgc ataccaaagt ataataaaaa aaattaagaa caaagatgta    360
atggcttact gcatgagata gaaaacaccc atatattgaa aattgagtct ttagggctag    420
tttttatttt atttttatata tatatatata tatatatata tattttttttt ttttgagaca    480
gagtctcact ctgtttccca gactggagtg caatggcatg atctcggctc acggcagcct    540
ctgcctnctg gcttcaatca gttctcatgc ctgtagtccc actgctcang aggctgaggt    600
gggaggatca cctgaatgag ccttgggang ncaangctgc aatgaaccat gaacacacca    660
ctggactnta acctgggcaa aaanantgag aaacccgttt caaaaaagaa aaaaatctg     720
gaataaccta ttgggccttt tggttaattn nnaaangnnn nnnnnnnnnn nnnncnnann    780
gnnnnnnnnn ngnnaaaann nnnnnnnnaa naaaaaaccn n                        821
```

```
        <210> 3899
        <211> 881
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(881)
        <223> n = A,T,C or G

        <400> 3899
agttttaact tgaacccctt cagtcaggat gaacataaag ctctcaagtt cttgaaagga     60
tgagacacaa gaataagatg gggtaccagt gaccagctcc tctacctggg gtcatggagg    120
accgaagacc ctccaacctt gatgcctgta aggacaggcg ctcctgtaag ggatcaggtg    180
taaagaatct ggccatagct cctgtacaaa gcctctttgt ctgaagtact tgggtgctct    240
ttgacggcag gagggaacac aacctgtcgg tggctgctgg acctcaccac gggggctcag    300
tggacataag atctattgac aggccctggc agtcaccant gggtgtgtgt ggcantggct    360
gtggggtgtg agaatgactg caacaggcac ttctcaacaa tgacctgctg ttcacatggg    420
ccctgagcan ggaggaaggg agagggacaa tggaagcttt gttccagcat tcctcttana    480
aaggggagag acaatttcan gcaggtgtna tggaattgga ataaaagcag gangctcaan    540
gggtgggttt cttgagtaaa aggacaaaaa tcgtgggtgc ttttgtnggt tcaaccacaa    600
cccttttcatt gggccagaca ccccacattt ttttttccta ctggncttcc atttttttgcc    660
cccttttttt ncttaccttg ccttnccaaa aaaataagaa tgcttgcttt attaaaccca    720
ttttggggggg cttgcttctt ttgggtcaag gaaggggtgn ttgcaaaaaa tnccttccnc    780
```

```
ccangggatt naaatgaaat ngggttgttc ccccctggag ccttnttaac aaccttttta      840
acccaggtgt tcaaaaaaat ttntttcccc ccncccnccn t                         881
```

```
        <210> 3900
        <211> 812
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(812)
        <223> n = A,T,C or G

        <400> 3900
ctctgcagtc tcttaagcag attgactatg atgcatgtca cataaaacag ttttctttct      60
gttctattgt ggagtttttc tggggctgga gaacattctt ttgttatttc caaacactgt     120
ctataattac canacatgat ataaacacat aaggtgccaa ctggaattta ctctagaggg     180
gactttccct ctcagacttc cagtcaactc acacttgtgc aacaaagtgc atgctgtccc     240
ctaaatatgc aagcagaact gtgtttctgc ctatttggta tctatagtcc tctacagtca     300
cttctanaga gactaaacca aatttctacc aacttcacag ggcaacaatc aatagtttta     360
tctcaatgac tcttgtatct tcagacctta aactgattca nagaccatgg ggcccacaaa     420
cctaatcaga gtaacgtttt cattgagtac acattcanac atgagaatct tcactttncc     480
cttttttctc ttggtaaaat gttcacaaat gtgcaggtaa cacctgctgc tactccagcc     540
attcnggccc taaatctgca gctctacatt ttgtatctag gtcttgagaa ttgggaaata     600
gaaattttt atctaaaaat gcaggtcctt ttggttatca aactcagaca ttgaaatgaa     660
agtgcagnta ccccctttctc ctcctttgna atatgnattc atctcttgga aactggtcac     720
tattggccnc aagtagatgt atattnaact ggttatancc acattggaca ctggttttca     780
taccctnaac cctaaaggaa tatggcccaa ca                                   812
```

```
        <210> 3901
        <211> 815
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(815)
        <223> n = A,T,C or G

        <400> 3901
actttatatg gattctctaa ttttaatctt caaaatgcta tctaatgtct cattaagact      60
tgcatataat gtatcttaag tacagtcatt aaatatagtt tagggagatt tatgttcaga     120
tattgcttaa agatgtttta ataggcccat ttactctgat gatattaatg agctcttaat     180
acagactaag cttctaaaac tagtggtaaa gactcccagc ctgaacacaa caacttggaa     240
ttaatgcctg ntttggacag atgcctgagg gtgagtcctg cacacactcg agggtcancg     300
cgagcccctt gctggatgga gccttgtttc anaaaggggc ctcctgtaac gggctctggc     360
tgctgactcc agagcaccca ttcttcggcc agcctgagta ctgtcttttt tctcccccaa     420
actgtgcaca ggacatgtgc taactaggcc gaagtacctc tccaaggtta tttgagaagc     480
gctgatagcc ttggcggtgg cactgnggcc tgtgaggggt taaaggangc tgttgctgaa     540
attncgtgga agcatctgcc aagtaaggtg tgcacagact ggcatcgtta cntgaaacaa     600
gcntncctnt gncaccaagt gaactgnaaa anggcacatg ggtgtgcttt catctttan     660
gcattcatcc tancttgaaa tacatgtaat aaangngncc tgcttatttc aacntcggaa     720
ccnnaaanaa angcnnnaaa aancctcgan cctttaaaac ttttntgagt ttttttcnt     780
aaatccaaac ttgataagaa acattngtgg agttn                                815
```

```
        <210> 3902
```

<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 3902

```
ccaaactaga agctgtcagt gacaataact tggaattagt caatgaaatt cttgaagaca    60
tcactcctct aataaatgtg gatgaaaatg tggcagaatt ggttggtata ctcaaagaac   120
ctcacttcca gtcactgttg gaggcccatg atattgtggc atcaaagtgt tatgattcac   180
ctccatcaag cccagaaatg aataattctt ctatcaataa tcagttatta ccagtagatg   240
ccattcgtat tcttggtatt cacaaaagag ctggggaacc actgggtgtg acatttaggg   300
ttgaaaataa tgatctggta attgcccgaa tcctccatgg gggaatgata gatcgacaag   360
gtctacttca tgtgggagat ataattaaag aagtcaatgg ccatgaggtt ggaaataatc   420
caaaggaatt acaagaatta ctgaaaaata ttagtggaag tgtcacccta aaaatcttac   480
caagttatag agatccatta ctcctcacag gtatttgtga agtgtcattt tgattatnat   540
ccatacaatg gccacctaat ccttgcaaag aagcaggatt gnagtttnc aaaaggagag    600
atcttcanat tgtaaaatag agaagatncc aaatgggngg caggcttncc catgttaaaa   660
aaaggangga aaccnctggt cttcnttnca agccaattnc tgggaanaaa aaaaaaangg    720
cttttgttaa aanaaactgg ggacaattca agganccttt ttgggggact ntaagttgcc   780
aaaaaaaaaa aaaaaaaaac tcggnccttt taaactntng                         820
```

<210> 3903
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = A,T,C or G

<400> 3903

```
tnnaanctaa tgcttggcta cttgttcttt ttgcaggatc ccatcgattc ggtgagccac    60
tgcgcccggc caaagacact ttcaaatact catgattgga tatgcctctg tgattgacag   120
tgagatttca aatgggttaa agattgctct gcaaagaggt taactgttga gattgataca   180
ggctatcttc aacatatgta cattgctgta tatgacattt acctaccatt gtgcatctgg   240
gacttcctga tggaccacag gaattccctt ttcttcccat tctcttccag atctttcttc   300
tacttgaaac cccttatcta caaaaatgaa taaacaaccc aatctcattt ctgatcgtgt   360
cctggaattg atctagggca aggtctggag aagtggtggg agacagcaga cagcttttgt   420
tagtcttcta accccagcac tttctcagcc tcatctgtgt gttcctgtct cactctgcag   480
acctcacttc acaatgctct tcagatcctt taatgaatag gaaattgatt ttgggtattt   540
ctataaaata cagcaaagtc ttagaaactt gcagtgtcct taagaagaaa gatcccttct   600
tatctccctg ccagtttttc tttctttatg gctcaaacac taactgattt tgccatggag   660
gtattgngct tcanactgct tttggtgaac tgggttgagg acataacccg ttgtctggta   720
tatttt                                                              726
```

<210> 3904
<211> 797
<212> DNA
<213> Homo sapiens

<220>

1197

```
<221> misc_feature
<222> (1)...(797)
<223> n = A,T,C or G

<400> 3904
nnancntgct acttgttctt tttgcaggat ccctcgattc gaattcggca cgagggaaca      60
tgcaaagcag tagccctctg aggagcagag ttaaggctag tacagaaaag acttttcctc     120
ccaaaacacc ttcagtgttt ggagaggcta ttatgtcaat aagtaaagaa catgctactg     180
tgaaaaaggt acaggaacaa aaaagagttg ccaaaaataa aaaatattat tgtaaggtaa     240
aaaatttcat aaatgggcct aatagtggga tggatataac tgaaaactaa gatggtgatg     300
aggaagacag tcaagaataa atataccaaa gtagcaaaga aatacctgtg caagtagaat     360
agcttgcttc aaacagatga gatttgtcct cccaacatca aaacatatca caaaactaca     420
gtaattaagt ccctttgagg ccagcactga ctgggataag caaatagata aatgggatgt     480
aacaggcctt atttcaaact aataggttgt tcaccaactc ctagttggat accctgctat     540
ccattatgaa aaagaaaaaa aggtaagttc tcatcttaca ccatacttaa atttcagatg     600
aattaagtat taaacataaa aattaaatga aacatgggtt tncctgggga ttctaagcct     660
actccaactt ggaagctgca aagttggctt tgtgntctac atgggaaaaa aaatagaact     720
gcaaaggaga atatttacta ttgactactt aaacttaaaa tactacatga cangnnctgt     780
aaaatagtta aagatat                                                   797


<210> 3905
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 3905
gtgnnnnnnt tgaatctttg ctactaanng cttggcnact ngttctttnt ncaggnagcc      60
catgcgattc gaattcggca cgagggaag gtctggctcc agcttgagcc cactcacagg      120
atgtcagggg gaagtgtgac taaggtcacg gccacgccac gtggtgggcc agctggatcc     180
agagcagggg ccgttgtggc cacacatcct gagtttccat ggtctaatgc agtgggcttg     240
aaaaaaaagg gtggatgcag gatgctggct gggactgtgg agtgcgtggg cagtaagtct     300
taagtgacag tgggtggaga ttacagcatt tcatctgctt ttcctttgac acctttttaaa     360
gatacaaccc acagttttca agggtttatg ccaatgtctg ctagagggat cttgcagtag     420
atcttaaacc ctatagtatt cttaagagca caaggaaatt cttatttggg ttccatttac     480
aacaaaggtg gaaatttaaa actaggctga gaatttgaaa tgctgttcac attaagcagt     540
ttattagggg gttattttga aatcgttctt taagtaattt taagatgttt ccacatctca     600
aaaggatnca tacattttc ttcatttttc tttggagaat gtctgttcaa ggatgtttac     660
caggtttggg ttttcaaaat ttcagcggct tttatngngc tggcattcca ttcgacagat     720
tggaatttgc cccttanagg aaatgggaat gttttt                              756


<210> 3906
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 3906 .
```

```
agagnnnnnt tnnntcttan ctactaangc ttggctactt gttcttttg caggatccca      60
tngattcgct gtgaagacct ggaaacagnc aaaaaagact tgccaagctc cagactgtcc     120
agctggatga agatatgcaa gacttatgaa ctttatttcc tcctcacctc ttttggcat     180
cagcggcaaa tcttttcatg aagccccaag gacacaaaac attttcccat ttaaaggaaa     240
acactctagt tttgcaagta tatgcataca agagacttta gattgatctg catgaagatc     300
acagttaagt atacaggagt agaactgcat tattgcagcc ttttgttca cttataaatt      360
tctctttaa atagatggag acaaggaca aggtgaaatg tatcaagtca aagtgaatca       420
tttagttgac tctataattc taaggtcaaa atggaacttg atagttttt aaattaaaaa      480
atgtatacac ctaacataga aaattaaaga tagctgcaga ccattagaaa taatacaatt     540
gtntntgttt acttttactn catgggcatt gaaaaggtta agaaacataa atggtcatat     600
ttttaaaggt aagtacatgc atatatatat gcacacacac ctnttttca gcattttttt      660
gaaaaagtct tggggtctca aacacatttg nctcaaccac attttncnaa atgtgattct     720
taatacctca atnttggctt ganaaaagtg ccngg                                755
```

```
        <210> 3907
        <211> 738
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(738)
        <223> n = A,T,C or G

        <400> 3907
agagnnnnnn ttntatctta tgcctaatng cttggctact tgttctttt gcaggnatcc      60
catcgattcg aattcggcac gaggccaggc taattttgt attttagta gagatggggt       120
ttcaccatgt ctcaaactcc tgacctcagg cgatccaccc acctcagcgt cccaaagtgc     180
tgggattata ggcgtgagcc accgcacctg gcctatgagt ggtctttaa ttaggaacaa      240
atctaatgga aaggagagtt gactgaagtt ggcccacagg attgtgagct gggcagtgcc     300
ttcatgaagg cttgccacct tgggacgccc cagtttactg gggtgtcttg cggagtgcag     360
aagctttctg gcagctgcct gggtttggcc agccctgcc tcccctcccg ccggccaacc      420
cctagtcccc ttcctgtctc cacttgcatt caggggtggc tgctgttctg agaacattag .   480
aactgggaag agagatggga gtcacatgga tttttggtgg gcattattct gaactttcgt -:540
atccaagtta gtccccctta ttccactgtg ggcattgccc gtctaagcag ttacctgatg     600
cctgctgctg aaanctgctc acaggangcg gcggcggccc tggcactgnc cttgcattag     660
ncttgngttt gatgtgttct tgngaattac tttgtcagac aaaatattac ccgttgggtc .   720
angaattctt ttactccc                                                   738
```

```
        <210> 3908
        <211> 731
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(731)
        <223> n = A,T,C or G

        <400> 3908
agtttnncta tgaacncttg gganctcaan ngcttggcta cttgttcttt ttgcaggcat      60
cccatcgctt cgaattcggc acgaggtttt ntgttatagg taacaggaaa acaaactaat     120
ncaagtggta atgtgtccag ctaaaaattt gggttctgtt aaggttaaaa gaaaatttga     180
ggtanccagc agtatctgcc tcagatgctg anaagcctcc tgagataaga gcgtatacca     240
tgtccataac tgaagtttta acattctntg ccaaacagaa ccagaattta agggcaggag     300
aatttgcaag atagaatttg caatttgcaa gagggaattg caattctgca agagaggggc     360
```

```
aatttgcaat ttgcacagag agggcaattt gcaagagaga attgtggggc cctnagagag      420
aatacatcca naggaagagg gaaccangcn ttacaaattg aatngaacaa ggacagatat      480
ctgaagggggg tttggtagtt cccantcaag tatggtacan ctangtgcac ttccctggcc     540
agaccaccct acagtgtatg atccccctgg ggagcaaaag ctgcaagtaa cacttttggt      600
gccctataaa ttctgctgtg gngccactat acngatcaca gccaantggg cattgtnccc      660
ttttacacag gatctgggca tncacnccan gattgcacat ctggcacgan tgtgtctgga      720
caggaagacc t                                                           731
```

```
        <210> 3909
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G

        <400> 3909
ttctttgaaa cctnanggct tgggcnactc gttctttntc caggnagccc atgcgnttcg       60
aattcggcac gagggtcatt gatagcaagt aagtacttcc tgaaggcttt ccagttcaaa      120
agattacaag ccattctgcc tgccaaacaa attatattct gaagatgcct gttttgtaac      180
ccttgatgtg aatttttttgg tgtctgaaat ttacaaaaga atgaaattga aattgtaaaa     240
cactaaatgc tttgggttta ttttgaagta atctgttact ttaaaatgtc aacattagga      300
agccataaaa caagatatta tgaaacccan tattataaat gttatctaca tctaaagtat      360
tttaaaataa cttattggca gctttattct tttttttcctt acaagattta gaatcttttt     420
ggttatatgt ctattttttca attttgttat attttttaatt taagtggcca atgtggttat    480
gaacaagatt tgtatggtca gcttctgttc tttcctaaaa cttcagatna atatcatttt      540
agctataacc taaaaaagtg ttaaataaaa tgacagatgt taatttaaaa gcagccatat      600
gctaatttac tttttcatat gatgatggtc taatgggaag ttccatatgc tttctttttgg     660
gcctaactct gaaaaaggtn tatgtcagaa gttctnggaa atatgtcttt agccaaggaa      720
ttttattccc cttaaaattt ggntacc                                          747
```

```
        <210> 3910
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3910
caanctaang gcttgggcta cttgttctt ttgcaggnan cccatgcgat tcgaattcgg        60
cacgaggctc attccagctg gtctatcgtg ggcctcanaa ggtgaagagg daccgtattc      120
tggggcccac natagaccag ctgtagctna ttncanccctg taccttggtt gatgggtaac     180
ctacnactgc atcccatnct gaatatnctt tgaaactccn cannagtgct tatttaagtg      240
taaannctcc tnagagnact gcnncnnnnn atngtgnatc tnnccctgnc cntnganngc       300
tnnangngcn ccactactnc aanccanaaa gaaaagngtg ctgntcataa ngccncanta      360
cggatctgan ntcatnagga tnacattnnc cnaaagggag tnaantgnng gnaantgcnt       420
gncactatat gaantacacn ncantctgtn antcactttt aatnanntac tgancccttt      480
ctaactatca ggcgtnttat tncatgaatc ccnccntggt aagatacatt tntgaactng      540
ntcaaangcn aacttcaatg cngtganana aatgctctat ntnggaacn ttggngannc       600
tntngctata ttngaaacgn ntntnacctt gggactggcc aagtnaacan cnttcaatta      660
ccnttaaant ntantgttta aaggntncaa nggnnaggtc ntgtgnccnt nattaaatnt       720
```

aanaagnngn ccatatccng ttnattcg   748

```
        <210> 3911
        <211> 719
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(719)
        <223> n = A,T,C or G

        <400> 3911
aacntaangc ttggctactt gttctttttg caggagccca tcgattcgaa ttcggcacga    60
gcaccccttt taggatttac attagttctg ttccagtaaa ggcttaggta ggaagcacag   120
gatgtagagc tgagttgaac ctattcccct gatcttacta atgaggtgcc tgatattcag   180
agagaccaag ggacatcccc aaagtcaacc agcaatccat tagagctgag cctagtacct   240
tgattctcag acatgaatgc tacttgttga attgaaaatt gcattcataa tacatctctt   300
catagattcc tggccaggaa gccccagaga ccaaaacagt ggttatcaat atttagaata   360
tatcagattt acctggggag ctttatcaaa atccacactc ctaagcccaa taggggaaa    420
ctctgatgtg gtaggtttag ggtaagacct gagtatttcc aagaaaacct ccctggatga   480
tcctgacaca gggagctttc agatcatcct ttgagaaaat ctgctttaga gctcattctt   540
tggttcggct ntctcttttg agctcactga tatcatccct gtggacactg aacttttctg   600
gaagctttct catctcagga attggtttgg gttactctac aatcagattt ccatncagga   660
tgtcacggca gtggctcaat actgcacctg tgtccttctc agccnaactg gnctgggcc    719

        <210> 3912
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 3912
ngggnnnnnn cnntttcntc tngctganac ccccngtggn ttgnccnact cgttcttttt    60
gcaggcagcc cagcgtttcg aattcggcac gaggaaactg tttaantttt aaaggggtgt   120
attggtgtat gtcactgaaa attccacagg tacagtgggc ttcaggcatg gtttgattgg   180
gatgccagct ccgttttgct gagattccat tggttctgct ttctaccgtg tttcagcccg   240
gtttaggtgg caaaacagng gtggaaatgt taggcttcac atcaccgtac cacatagacc   300
aaaatgagag ctaatatcca ggatgagaat gaacagctct tctaatcagg ctgtcataaa   360
aataaggaag cttatttat agaagccttt accaaacctc cttctttgac ttgntgntcc    420
aaattggatt aaccagccca ttcctgcggc caaggaaata cacactggtt aacccagtct   480
ttactaaccc atacctttag caaagagatt ggattaccca acaacttgat tgctctggag   540
actactttgg agttggggta tgagatagta gataggagaa tgatctgtaa gtagatattg   600
gataagcgag taagaaatgc aaactacact gaggtcttgc actggtctag gttttgggac   660
ccagatgtaa taggacatag ntcttttctc gagcctctag aactatagt agtcgtatta    720
cgtagaacca gacatgataa gatncattga tgagt                             755

        <210> 3913
        <211> 739
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(739)
<223> n = A,T,C or G

<400> 3913
ntttgnaanc tnaanggctt ggcnactcgt tctttatnca ngnagcccat gcgnttcgaa    60
ttcggcacga gcaaacccct cctttgtact cgcccttcat aatcactttt gcttcacaca   120
cataacctct gacagccact gatgtgttct ttatgactat agttttaact ctggaagaat   180
gtcatgtaaa tggggctctg tgttttgcag catcatgcag ctgtaacctt tgattcagca   240
gataacaatg tgcatggcct ctccactcaa ggtaatgcct ttcagattca ttcaagtggc   300
cgcatctatc ggtagttctt tccttttcat tgctgagcag tattccatca caagggtgta   360
ccacagtttg ttcgtgcact catcaaagga catttaggtt gcttctagtn tttggtaatt   420
atgaatagag ctgcttaaaa acagtgtaca catgtttta taggaacata agttntcagt   480
tctttagggt aaatgccaac aaatgaaatt gctaggctat atgttaagta tatgcctgac   540
tatgaaaaac tgcccaccat tttccagtgc ggctgatcac tctgcattct catcagcagt   600
gaacaagggt tctagttgct ccctaccctn ttcagaatgt ggnattgnca gaattttaag   660
tttancccag tcttaagaag tttngtattg ntatcatatc atgggtttaa atttggnant   720
tccctgaccg gataatggn                                               739


<210> 3914
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 3914
agggnnnntn nnttcntctn atgaactcnt anggctgggc aactngttct ttctncaggn    60
agcccagcgt ttcgcgtaca aacaccccaa nncaagcttt ttcatctgct gcntataatc   120
acgagtccta tncttctgca ctatcangng tnttntactn cctgctnaan ncnntgttgt   180
ccatttnatt aagacagaag ttnctnttat tgtnaaattt gaactgtatc tatgttataa   240
tagtaatggt aactcantcc aaaggaccta ntnacaggaa gtaacntgtc ntacatatca   300
gtnnatatan ggnnntnagt agggacatac tgtgatcttg gnatacttgn aatttttan    360
nttcctgggc ggttcantgc attgatnnat cacatnatnn taanacatgt atgttgagac   420
anagcangan tctgtctcaa aaaaagggaa aaattcctgg actacataaa ttaaaagtcc   480
atgaatagga ttggcttcta gcatgcccct tcnggtgctc agacacttaa tcagaaattg   540
gacttgangt tanttttatt ctcaggccaa ccttctccag tantgatgaa nanggccacn   600
cagcaactnt gacctgccan tntggcaaaa atggatcana aaagtgtaan ctaagctgca   660
tcngaangcc cangaatgcc tctnactggc ctgacttncg tcatgngccc atctttgcac   720
aacctgtggn ctttggcang gcaagggnn                                     749


<210> 3915
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 3915
```

1202

```
tctttgnaan cttaatggct tggctnctng ttctttntnc aggntcccat gcgattcgaa    60
ttcggcacga ggagtatgtg tccagcgccc cctgtggtgt gtgagagaaa gcagctgcaa   120
ctcaagtgac taggtgggcc cagctggctt cgtgcaggag ggcacgtcac tgcatacgac   180
ccggccaccg tgttctgaag gacagcgcca aagatgggtt agagtcactg ctgtgggagt   240
cttcgtcccc acacagagga caggctgctc agctccactg tgcaagatga tgcacaccca   300
gaccagtgac gtcaggacga tgctgctcac gacagcaatg gtgaagatgc ctaccgtggt   360
cccatccttc ctgcagcctg ctgcgggcag gacgctcagc tggctgtgag ctcgctccgt   420
gcccagggtg ttggacatct cacagatacc acacggtctt ccaaggggac caccaaggat   480
ggggtctcta caagagagca acagagatct tagtcattct cagggcctcc gttgctctgg   540
ctctgccggt cttctggaca acggacaatc caacatatca atgagatgca tctgagattc   600
tgtctcanag tggcaagctt tggagaagac ccttcaactc attgactgag tcatctccat   660
gctgggagtg gcttccacag ggacagtgaa cctctgctga caaaagcccc tgctattcct   720
taactgtcct gggc                                                    734
```

          <210> 3916
          <211> 743
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(743)
          <223> n = A,T,C or G

          <400> 3916
```
agagnnnnnn ttnatcttat cgcctaatgc ttggctactt gttctttttg caggatccca    60
tcgattcgaa ttcggcacga ggtgatctgc ccgtctcagc ctcccagang agcacgtgga   120
ttacaggcat gagccaccat gcccggccct ggatgtattn tctatcctag aatgtccacc   180
tttaaaaatg aagcccagtg aaaagtgttc ccccactaaa atgtggactg ttttgcttgc   240
agggatgtgt gggtttctgg tagatagaag gctagagcta gcaccttccc aaattgcaga   300
ggaatcaatc ctggcttgtc tgtgagctgg ggaggaatgg aaaggtaggg gccttgagag   360
tccttaatta catagggaat gtcctatcat tttgtntatt ctttaaaaag ataatgggat   420
tctttntgn tgttgttagt ctcgctttgt cacgcaggct ggggtgcaat ggtgtgatct   480
cggctcactg catcctctgn ttcctgggtt caagcaattc tcctgcctca gcctctcaag  ·540
tagctaagat tacaggcatg caccaacatg cccactaatn tttgtactnt tagtaaagac  ·600
ngggttttgc catngttggc caagcttggt ctcaaactcc tgacctcaga tgatccaccc  ·660
tntttgggaa ccaaggcagg aagattgctg gcagccaaga attcnanggt gcaatgagct   720
atgattacat cactgngctt caa                                           743
```

          <210> 3917
          <211> 733
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(733)
          <223> n = A,T,C or G

          <400> 3917
```
ttnttnnnan ctaanggctt ggctacttgt tcttttttgca ggagcccatg cgattcggaa    60
aaatatagct aacacttaat gtttgaggtc tgagcacttt acattaaata tttaacctat   120
aaaatgaaat gagaacttac ttttattatc ctcacttata cagatgagga aaccaagaca   180
cccagagatt aataatttgc ctaaggtaac aaaattagta agcatcgtaa ccaggatttt   240
tggtcagtct acacaccttc cccgttccct cactatagtg cctgctgcaa attgtacttt   300
aagctatagt tggacaaaat attaaaatct atctgggatg ataggtgacc aaaaaaaaaa   360
```

1203

```
gtatatttga aagtatcaca gtgttaacag ggcagtgaag atgataaggc taagatacag    420
aaaggaaacc agagagcaga gtctactgct tgggactgtg gctcctccag gcacctttga    480
ccattcccaa taaggtaccg tgagaccctg agcactcttc ctgtaccacc tacacagctc    540
tcctcttcct ttcctgggtt tactttattt ttcactatca gcatctgttg cactatattg    600
tcgttatgtc agtatttgtt tgttgattac ccattctcca tggctaggaa tgtcagctcc    660
agcctgggca acaagagcta actccatctc aaaaaaggaa aaaaaaaaa aaaaaaaac     720
tcgggccttt ana                                                      733
```

```
        <210> 3918
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3918
agngnnnnnn nnttnnctta tgcctaatag cttggctact tgttcttttt gcaggatccc     60
atcgattcga attcggcacg agctgaagtg aggttgaggt gggtgcacgg agccccatg    120
ccctcagtgg gtacaccagc ctcccagcac ttcctcatgt tcaccaacac ggaagcttat    180
cagagcttgt tgtttcagaa ctcaattgcc agctcactgc tgaagagatt ggtgggtagg    240
gctgaaagaa atatcagtgg gtctttgtgg tattcagccc catcctgaga tggcctatcc    300
aggggctcta taagaagtca cctcattagc ataaactcac atgtgaccaa aaggatcttg    360
ttatgaataa caaaagatgt tcttattact caggaaatcc caagagttta gatgctctgt    420
gtcagggaag tggggatgca gaccaatttc ttattctatc acattaacca gaatcaagct    480
tataaaaatg tatttttttt tgtatggtcc tcantgtgcc tacttgaata atttttgctg    540
atttgattaa aaaattctgn ttttccattc tcttttatta gctgtcccat agtttaata    600
cagccatcat cccaagacca gaaggaagtt aagtgctcat ttataaaaat gattgnatcc    660
tncttttcca tctattactt ttgngtccat tatgcatgtc aagctggtgc ttgggagctt    720
actctntgna ccctctatta gacagang                                      748
```

```
        <210> 3919
        <211> 723
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(723)
        <223> n = A,T,C or G

        <400> 3919
ttgaanctaa tgcnggctac ttgttctttt tgcaggatcc catcgattcg aattcggcac     60
gagctttcat ggtatgtcca taggtgtaaa atgatggcct taatgcttat aataataagg    120
taggtttttg tatgtctaat atacagagaa atttccaaag acttttaat ctttgcttag    180
cataaggagt ttagtcagta actattacaa ggaaaaaatg atcagttttc atttgtcagt    240
tctataagcc ccaggcaagt ttctttcggt tttgactttt tattaattaa ccatatccta    300
agtgctaaaa gccatgagtc attttaaaa tttatctttt tttgtatgcc atcacttcta    360
gttttaccac tttgtactca caaagaagcc acaaatggat taatcattat gtcatctaag    420
gaaataaatc catggcatag gggtaaattt aaaaaatact ttgtactagg attttataat    480
agcttaaatt tattgaaggg ctactgtgtc acaatcaaca tgctcagcat ttttcatgtg    540
ttatttttcca tttgtaactg gcaactactt aggattattt agttaaaatc ccttcctta    600
tggaatgaga tgtctgttta ttacgtttac agccacatta cagatctatt gacataaact    660
ccactatggt aattgtgctc ctttttttcc ccctctctgg ttcacctgct caatggttta    720
```

aca   723

```
        <210> 3920
        <211> 723
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(723)
        <223> n = A,T,C or G

        <400> 3920
cttcttgcta atgcttggct acttgttctt tttgcaggac ccatcgattc gggaaagttc      60
caggaccctg agacatcttg ggattcctgt ggtttaggaa agacctttaa ctaccagctg     120
gtagttgtct cagcattctt caaatagtcc ggtcttgttt aatattatta ttattattgt     180
tatttaattt tattttattg caactgtact tagagaatag tctggtcttg agaccttttc     240
actgtggtct gttctggtgt acggctccca ccagtgtgaa gcagaaggat gactttgctc     300
tgttgtcagg acaaccttga aggaaggagc caaatgtgtg gaggtctgtg ggaagagaga     360
gccacctagc atgtccccac tgaaccagtc agcagaaggc cttccccagg aggcctccaa     420
cagatccctg aatgccacag aaacctcaga ggcttgggat cccaggaccc tccagcgctc     480
aagatctccc ttgccgtggt cctttccgtc atcacactgg ccacagtcct ctccaatgcc     540
tttgtactca ccaccatctt actcaccagg aagctccaca cccctgccaa ctacctgatt     600
ggctccctgg ccaccaccga cctcttggtt tccatcttgg taatgcccat cagcatcgcc     660
tataccatca cccacacctg gnactttggc caaatcttgt gtgacatctg gctgncctct     720
gan                                                                  723

        <210> 3921
        <211> 719
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(719)
        <223> n = A,T,C or G

        <400> 3921
tagctaatgc ttggctactt gttctttttg caggacccat cgattcgaat tcggcacgag      60
ccaagcagac cttggcatta tagatacagg tttctaaaag ctgatagctt ggctgccagc     120
ctcatgggct ggatcaccca caacttcatg ggcctcttct agtggaagct ggagcatttc     180
cttggtgaat tcttttccct gaggggcaag atccatgcca cacagctctc tgaccctgtg     240
tgtcacaacc cttatggtcc atgagcaaaa tggttgctag tagtcatttg ggcatttctc     300
ttctgttttc ttatgtgtgt aataagatat acaaagtcgg gcttgaagat tagaaattgc     360
tacttccagt gagtcagttt acttggtttt cacatcttca agttgagtct agaatggagt     420
tacctaagaa aaggaaattt gcagccttca gtaccgtgtc ctggggttgc tagaataact     480
agtgccatat ccactctact ggctctctag agattgtgta aaggaggctg ccttttgga     540
gatgatctga atacatggta ttgaggacaa accttcttcc caaggctgat ttgataatat     600
gtgagtttgt gggtctaaca tgtagaaata cactcaactg aatggatgtg gggtaatctg     660
ggtatttaga cagggtggtt tggtnggttt aatgggncca aaccttgttt nctggaaaa     719

        <210> 3922
        <211> 745
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(745)
<223> n = A,T,C or G

<400> 3922
agngnnnnnn nnttnnnnnn ttntaancta atgcttggct ncttgttctt tttgcangca      60
cccancgatt cgagtgggta gcaaggagtt ctgtgtaaat acttgggagg catccaagcg     120
gagagttaag taggcactga atatttaagt tgagctgagg ggagtgatct agactggaca     180
taaattttgg gagtcactag tatacagatg gcatgtcatg gaactgattg anattgtttg     240
tggccttaag atcaagccct gcnagactgg agtaataaaa ctctggtctc ccacacagtc     300
agctctgngt ggggaaaaaa aagccctaaa acactaacaa cggctaaagc ttgggcaaag     360
ganactgaaa aggttcagcc nttaaagtgg gagagtattt tattattttc aagaaagagg     420
gaatggtcac ctctgtcaaa tgctgntgan aagttacaca atgagaatag agaaatgtct     480
atttggatnt gacaacatga tggtgactgt tttgacaagt ggnccaagcc acattgggat     540
gcttcgaaga gagaatagga agtgaggtga atatcgacag ctcgttaggg aaatttgctg     600
ctgtaaaatg gagagaacca cttaatgctt caganggaaa tggggtcaaa aaaaaaggct     660
tttttttta atttttttaa naacaggagg nccttcannc atccaggttg gagtgcatgg     720
ngcaaattnc cggttaccaa anacn                                          745
```

```
<210> 3923
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 3923
agngnnnnnn cnnttccnct nttgnaacct ntnatggctt ggcaactngt tctttctcca      60
ggnagcccat cgnttcgaat tcggcacggg cctagtagta ccctgacctc caggtgcccc     120
tgactctggg aaagcctttc tgatgatctc aagcttgcan attctgtccc tgttctgacc     180
gggggtcaca gcctagtggt agaacaggac ctcctgctaa gatgctggaa ggaccctttg     240
ggggagctga ggcctggctc ccctctcccc aggcgcaggt gcacaggcgt gtgggctgtc     300
tgcaagcaca gatcctgcct cacagcacca ttaccacaat aactgaatct gtgtttcctg     360
gctgctgtta attgtgctan agatttgggg catggttttg gggtgaaggt tnnaaatgag     420
caattagccc tnaaatgtta aactaataag ggaaataaat gatcaagcaa agtctagcct     480
angaggtttc agcaaccgaa gatgggctgg gacggggctg ggatgccgcc gacccagcag     540
ggagtggccc ancnggtttg cttcaatgac ccangatgtt tccacaantc ggaaaggggt     600
gctatcttnc tgtctgctac ttagaaagtt ctatcttacc cccnggatct nacttacacc     660
accagancat tactggtcta cccgncaagg ctcttctgct caagaagaca gggaaaggat     720
ttgctttccc cacnccatta nnaccccc                                       747
```

```
<210> 3924
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3924
```

```
ttntnnncta cttgatgntt ggctacttgt tcttttttgca ggatcccatc gattcgaatt      60
cggcacgaga aaaaaacana aaaaaaccct gttttcagtg ttatgggaga gaaatgaaca     120
atgggaaaca accgaggaaa gctggagcag gttacgtata aaaataaagt ccattcacca     180
aaaaaggcat tacttacgag ttaccagggg tgagagatag gatgctgaag tggtctagaa     240
attaagctac ccagtatgga agggctgaca attcagtgat cgagagcagt gccttagaac     300
agccaaaaca atagcaaact gagatctgca gaattaactc tcctgaaaat aacaaggagg     360
tactcatttc acgtttcctt ctatttgatt tacaagaggg tgtagcttga gggaaaatgc     420
ctcacacttg ttgaattaca cagttgtttc tcattcactt ttaatcacgt tttgagcacc     480
tgctaagtac caggcatttt gctaatgagg agcacagagg taaaagacac atcactactg     540
tatgaaatgc gtagctcant ggtgtgatac acaagcacag agaggtnacc agagagcaag     600
gagggcatgg aaganaggcc tntnactttt ggactgggaa nggagaaaga tgtangacaa     660
gaaaatcttt cccttaagga gcttgatgct ttgaacttgt gccctngngg aatgaanaag     720
ttnacccant tngggcttan cnt                                              743
```

```
        <210> 3925
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3925
gnanctaatg ntgcttggct acttgttctt tttgcaggat cccatcgatt cgtctagact      60
ctggtcgtca ggaacgggtc aaggccttca ccatgagaag agcaccaaag ggagttaata     120
tggggttgac cagaggtagg caaaggaagg cctgtgggcc aaatctggcc agctacctgt     180
ttttataaat aaagttttat tggaacacaa ccatgctggg gtttgtttca tatttcctga     240
ggctgttttc acactgcaat ggcagaggtg agtggttgac acagatgccg tctcaccaaa     300
gcctatgata tttactgtct ggccctatac anaaaaagct tgctgacctc tgggttagac     360
tgtcaggtgg tananactaa ggagggagtg ataagtccct gttggccacc tgaggttttg     420
nctgtgtcag gaagctgcag atgggagatg tccaggcagt ggctcanaag aacccatgga    ,480
ggacccatta agggaanggt tggtatgtgg acaccancca cgcccangtg aaccanctgt    ,540
gcagtcaaat acanaacttn ccgtccctta caccttcctt ctctgnggtt tcaattttag     600
tgaaagtcan ccacaccnca nangtngaac caacccgtgc agtcaaaatn caaaactttc     660
cttgcccctt taaaccttcc tttttncctg gtttccaatc ctggtggaag gtccataagc     720
cccagtccnt gaanccaagg nng                                             743
```

```
        <210> 3926
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 3926
ggggnnanng cccttnctcc angcngtaac tctcgggaan ggcccggcnn cttgttcttn      60
cnncaggnag cccatcgctt cgctcnacna catnnctggg ccctttttca tggggattna     120
tgncnagtgt nnngggacag gaccattcan tggctggntt nnaannttga tggngtnaan     180
tgcnnntaga ataaanngaa cagancaaaa taangnnngg ntagnaggaa gatggnatgc     240
acatganaag ataanggcag cagnanaggt gagggaanga gtggatatng gggaatgacn     300
ttatnaangc cangaaacta gaatctnagn gacggaaaag ctnnaaaagn tctgagncnc     360
```

1207

● ●

```
ttnncnanac ggngggtacc cngggggtcga acaaaccgnc ttctttgaca tgttgtanca    420
tactgaacan ggnntccnaa tcctgcggcc aangnaagac acgnagncta nccnagtcgc    480
tanngccnna accaatggcn attncnaggc gtgatctaac gcactacagc ttgnactcct    540
gggctgaggc gggananatca cttggaccca ggaggcatga anttgcangt gagnctnaga    600
acacgccaat gncatacgcc tngnnccccn anggnccnaa aaccccccggt cttaanaaaa    660
angggaccca agaaagggng gaatccccca accccggccc nntagaacca tnntcacct    720
aaagggggaag gnnncttttta nggaaaanna nccggggcntg gggnaaaaaa acanggcctt    780
ntaggnc                                                            787
```

```
        <210> 3927
        <211> 736
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(736)
        <223> n = A,T,C or G

        <400> 3927
tntttgnaan ctaangcttg gnagctngtt gttcttncnn caggntncca tcgattcgtc     60
tgtggttgga agcctgaatg tgaatcgctg caaccagacc acagggcagt gtgagtgtcg    120
gccaggttat caggggcttc actgtgaaac ctgcaaagag ggctttttacc taaattacac    180
ttctgggctc tgtcagccat gtgactgtag tccacatgga gctctcagca taccgtgcaa    240
cagttctggg aaatgccagt gcaaagtggg tgtcattggc tctatatgtg accgatgcca    300
agatggatat tatggctta gtaagaatgg ctgcttgccc tgccaatgca ataatcggtc    360
tgccagttgc gatgccctca caggtgcttg tttaaactgc caggaaaata gcaaaggaaa    420
tcactgtgaa gaatgtaaag aaggatttta tcagagtcct gatgccacta aagaatgtct    480
tcgctgccct tgttcagcag tgacatctac aggcagctgc tctataaaat cgagtgaatt    540
ggaacctgaa tgtgaccagt gtaaagatgg ttacataggc ccgactgcaa taaatgtgaa    600
aaatggctat tacaatttg acagcatctt gtagaaagtg ccaatgtcac ggccatgtgg    660
gaccccagtt aaaactccca aagatttgta agcccnaaaa ntggtgantg catcaactgg    720
cttcatacac ccactg                                                   736
```

```
        <210> 3928
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 3928
agggnnnntn nnnttnncta ctgnaacctc taanngcttg gcnacttgtt cttttttgcag     60
gnagcccagc gattcgaatt cggcacgaga taacctaggt nttagaagga taggaacaac    120
aaacatcatg atcttacaca cctgcacttt ctagcaccag ctcctggaga aaaatcgaga    180
ggctgaatgg tgtctgttaa cagattatag tcagtgaggc ctctttcctc agatgttgta    240
tcttatcaat ggcagacatt ttcaacctga aagacacatg ctcattacaa gacttagtag    300
tgctctaacc ctgtttttcac ttatcagtcc aagacgtagc cgacatcaaa gtattcagct    360
tattacagaa ttgacttcct caaagtttct ctcagtgttt atccaagatg taattcactt    420
agcatcttta tctcgctgca caggactaga gttgccttcg aaaaaactca ggataccact    480
tggctataga tcacagtact tgttcctcgt atttgcgtta actngtgtga atatgcagcc    540
tccgtgagat atttgcatac tgcttctgtg aacacacagg acaacagact gtcttccgca    600
gtcatacact cagtcatatt ctcaaatagg tattccagtt caaatgtata aaatcagtag    660
```

```
tcttacatgt tacagantgg gtgggatgtt cctttgccag gggattaaaa aaaaaaaaat    720
cccaagtctt aatactgntt tctnccnacg aat                                 753
```

        <210> 3929
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 3929
```
ngngnnnnnn ntttnnannc nnttggaaac ctgtgcnagg ctcttgttct ttttgcaggn     60
acccatcgat tcgattcggc acgaggtgga ataatatctt ttgaaataac taagtccact    120
aaattataca gtatgctatt ctggttctaa gtacatatta gtcccttggc aaatctgttc    180
tttcaaagca taccttcccc aaatgagcct acctacttct taaaaaacat ataacacaat    240
gtggtagtag taggtgtnag gaaggtaagt tntttcatag gggnatgcan acatatnatt    300
gaaatattac atagatntaa agacttaggg aataaaaata gcagcaacaa atacttgata    360
gatttatcct acttgggaga aatattttgt agcagagtat ttagtatact tagaagttga    420
tttagcaatt aggctttaat gaccttacaa agtgaacata actgaacaca ngtatttttc    480
caatgcaaga tgaggatgaa aatnttacat tttaacccat ctggctaaag tttagactta    540
gcaaaaatna anatgntgcc tttgnccaag tatngattca ngngactaga catatatggg    600
tgtgtaataa gganggattg gactgaaata tnntttgcag ggtttcacat gtaaaactgc    660
acttgccctg naaggatnnt ggnaanaatc tgngtttttc ctcagncnnc nttnagaaca    720
gtaaggggnc ctaacctnnt ttaacccgta aatg                                754
```

        <210> 3930
        <211> 788
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(788)
        <223> n = A,T,C or G

        <400> 3930
```
gnnnnnnnaa gngnntnnnn tttgatancn tnttnaanct taanggcttg gctacttgtt     60
ctttttgcag gctcccagcg attcgaattc ggcacgagcc cgccacatgg cctgtttctt    120
tccttgctgc tcctgcagca cagccctgac tcggggggctt tgcgtgtccc ctcancgctg    180
cagggcccac tccttcctct gtcctggtct ctgcttagcc agcgcacggt cagggaggca    240
tgggtggcca gcccgcaagg agccaggcct cccagcaccc cttcccttgt gtggcctcct    300
cccacatggg atctcagccg gtcctggctt caactaaaca ggacgtggca ggcgtgatgc    360
cctgccaatt ccaggcctaa gccttgacac agcctggcag cttctgcttc tgaattgcag    420
gaccccaact gtcatgtaaa gaagtctggc tgctttgctg gaaaggccaa atggagagac    480
cacgtgagag gccacatana caggccttgt ggagagggaa aggtgctgag actacctgga    540
angggagccc agttgaccaa acaccccca ctgagcccat cccccagnca ttccttgcca    600
ggacacccaa catgtaagtg angcatcccg ggccgttcca ancttggnca ancgccantg    660
ggactgtaac ttgcannagn aaaaattttg ctttnnaacn aaaagtactt ggccnancnt    720
gaanccccan ttnngtccca cannaattcc ttggagagna taaacccaaa ttgaattggt    780
tggttnca                                                             788
```

        <210> 3931
        <211> 460

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 3931
ttcnaccagc tcttgttctt tttgcaggat ccctcgattc gaattcggca cgaggcttgt    60
tctggggaaa gctcatataa gtatggattt tattcctcaa ctagtaggat accaatactg   120
gtattgaaac ttggggaaaa taactggaga taccagtgca gctatttaaa gctgtagcaa   180
gggctgcaat cttgcggaga ttttaaagag aagtttttaaa gtttctaata ctgatgcctc   240
tttttggtaa atacaagttt tataaatcct gccctgggat cctgattccc cattaatcaa   300
gatttgtcag acttcacctt ctataattag aaaacacagt tataagaaca gtcaattttt   360
taaattttcc aaattaaaaa attgcaccat gattttgaac aagcacttcc aattacatta   420
cccatcttgt atgccatagg tgggagtata attgtcacag                         460

<210> 3932
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 3932
anctaangct tggctacttg ttctttttgc aggancccat cgattcgaat tcggcacgag    60
attttaagtg tgcagctcag ccgtatttag tgtattcaca atgttctgca accaccagcc   120
tcctgagtag ctgggtgtgc accctgcacc cagccagaag tggaatatct tgttggggct   180
gggcttagag ctggagctgg tggccggctc tgctcgctta cagaattctg tacggtttct   240
gatttctctc agcccatctg tccttcactt gcaagcatct gatgactgct gcatgtacca   300
taaaaacatg caaatatata attcttggct ttgaggaggt gaccctatga aattgactta   360
aaaaagttgg gctggatata gtggctggcg cctgtaatcc cagcactttg agaggctcag   420
gccggagggt cgcttgagcc caggagtttg ataccctgtc tgagagagaa ttagctgggc   480
atgttagtgt gcgcctgtgg tcccagctac tcaggaggcg gggcgagagg gatccttcca   540
gctgagatgt gagggttctt tgagcccagg aggtccatac tgcagtgagc catgattggg   600
ccactgcatt ctagcctcag tgacagantg agactgttta aaaaaaaaaa aaaaaactcg   660
agcctntnaa ctatagtgag tcgtattacg tagatccnga catgataaga tacattgat    719

<210> 3933
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 3933
agagnntnnn nnttgttgac tctaatggct tggctactng ttctttntnc aggagcccag    60
cgattcgaat tcggcacgag gcctggcgaa ttttttttgt atttttggta gagtttcgtc   120
atgttgctta ggatggtctc aaactcctga gctcaagtga tccacctgcc tcggcctccc   180
```

```
agagtgctgg gattacagtg tgagccacca tgcctcacct agggtgtttg gtttttaagt    240
gaaacatgca catggtaaac attaaaaccg tctaaaaggc tggaccatga aaagcaaggc    300
tcccttctcc cacccaatcc ctgaattctc cctggagagt atccctccta agtgcacgca    360
cttccactct gttccatttc tgcctgttaa aactacttag tgcagcttag tgtagtggaa    420
cctgcttcag aataacccat atgggtcttc tttattctca tgaaccacag agcatttcat    480
gtgttggata tattgtctcc tacttacgga catttggggt tgtttctgtt tttgtttgtt    540
ttgtgacgga ctcttgctct gtcacccagg ctggagtgca gtggcacagt ctcgctcatt    600
gcaaccttca cctcctgggt tccaacgatt cttccctctc acctcccaag tagctgggga    660
ctacaggtgc ctgccaccat gcccactnat ttttggattt tttggtaaaa caggggttca    720
ccatgtttgg ccaggcttgg tn                                             742
```

<210> 3934
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(799)
<223> n = A,T,C or G

<400> 3934

```
agtttnnnan ntnaacnnnt tgctgccata gcgtggcttt ttgcaggacc catcgattcg     60
aattcggcac gagggggccc ccattttct caaatnccct gagcctcaag aggtggngga    120
agagttgaag aagtacctgt cgtanggaga tttgggtaga agccctcatg ctgagctttg    180
tgtccctggt gatgttggaa cattaatgat ggaacatggc caaacttcag tcatgatcct    240
gaaaccatgg cttcaggatc atgactgaag tcatggtttc ttccctgcca gaaatgaagg    300
ttcagttatg aggcaaccct ctagtaaggc attgtaaaag ttactggntt nggtttaata    360
aaagttgaaa tanagtanat gaaaganaaa ananaaactc nagcctctag aactatagtg    420
agtcgtatta cgtagatcca gacatgatag ggatacattg atgactttgg acaaaccaca    480
actagaatgc actgaaaaaa atgctttatt tgtgaaattc gtgangctat tgctttattt    540
gnaaccatta taagctgcaa taaacaagtt aacaacagcc aattgcattn catttcatgt    600
ttccaggttc aggggggaag gncttgggga agggtttttt taaattnnac ggggccgccg    660
tggnccaatg ccnttggggc cccggtaccc caagcttttn ggttnccctt ttantgnaag    720
gggttnaatt ggcccccccct tngggcntta aatncatngg gncantaacc tnggnncccc    780
cnggggtggg aaaaatttt                                                799
```

<210> 3935
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(834)
<223> n = A,T,C or G

<400> 3935

```
agagnnnnnn ttgannctaa tngctggtng ctcgttcttt ntncaggagc cnancgantc     60
ggtaaattcc tgggttccag gctcaagcct tccactgtat gctccatgtt accagctatg    120
cctttgaac gggagatgtt gcataaataa ttgttgagta tgcactttag attctttgct    180
aacatcacat ttggtgaaac tataaaataa ttcccatgaa aattggattg cttaatatca    240
taactgatat ttaataatat ttaatattgc tctaaaattt ctggctaaaa tgaaaatatt    300
caaccatcag gaaggagaaa caaaactatt actgtttgta aacagtttat catcagtact    360
tacctaaaaa tcctggagaa tgagctcaga aatatttcta agagttgaga cagtttagca    420
aaatgaacag atacaacctc aaaccaaacc aaactagaaa gctcagagga cacagaaatg    480
```

```
ccagtactga gctggcaaca cctctgttgt ttgtgaaaat gttctctgga acacatggac    540
acaggaaggg gaacatcaca ttctggggac tgttgtgggg tggggggatg ggggaaaggg    600
ganaantncn nngnnnnnnn nnnncccant nnnntnnncn nncnnnttnn nnnnnnnnnn    660
nnnnnnnnnn nttnannnnn nnnngggnnn nnnnnnnnan nnnnnctttg gnnncnnnnn    720
nnnnnnnnnn nnnnannnnn nnnnnnnnnn nnnnnnccnn nnnnaaaaan nnnnnnnnnn    780
ntnnnnnnnn tnnnnnaaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncn          834
```

```
        <210> 3936
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3936
agagnnnnnn tttttgaanc taatggctgg ctactngttc tttntncang atcccatgcg     60
attcgaattc ggcacgagtg gaagctctca ggccaaggtg attgacagag atggttttga    120
agtaatggaa tgtataaaag gagaccagta tattgtggac atggccaaca ccaagggtca    180
tacagcaatg cttcatactg gctcatggca tcccaaaata aagggagaat ttatgacttg    240
ctcaaatgat gcgactgtga ggacgtggga agttgaaaat ccaaagaagc aaaaaagtgt    300
gtttaaacca cggacgatgc aaggcaaaaa agtcattccc actacgtgca catatagtag    360
agatggaaac ctcatagcag ctgcctgcca gaatggaagc atacagatct gggaccgaaa    420
tttgactgtt catcctaagt tccactataa acaggctcat gactcgggca cagacacttt    480
tgcgtgactt tttcctatga tggtaatgtc cttgcctctc gtggaggtga cgattcatta    540
aaattatggg acatccgaca atttaataaa ccactttttt cacctcgggt cttcccacca    600
tgttcccaat gactgactgc tgtttcagtc cagatgataa gctcatagtc actggtacat    660
ctattcaaag agggatgtgg cancggcaaa cttggtttct ttgaaccgta ggactttcca    720
aagggtgtat gaaatagaca tcccagat                                      748
```

```
        <210> 3937
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G

        <400> 3937
agngnnttnn nctttgaatn tnatgctggc tacttgttct ttttgcaggt ngcccatcga     60
ttcgaattcg gcacgaggta agatcctgcc tcaaaaaaaa aagtttatgt tctcaaagtg    120
ctcataatct agtggtagta cagtatttga gatattagag cagtttctcc tccttttgca    180
actaaggaca tgtatcctta aagcagaagg aatggcagag tcgtgtaata aaccctcaag    240
taccattact tagcttcaac aactatcgac actctactgt tcttgtttca tttatgcctc    300
acctccttcc catccccac ttgaatattc tcatcctttt tttacagttt ttaagataac    360
aattacataa ctgaaatgca caaatcttag ctgtacagtt ttgacatatg gatacacctg    420
tgtaaccaat gactgtatca caacatagag catttcatct ccccagcaag atccatgtgt    480
cttttcctag ttaatgcctc tttatttctg agatggttat tgctctgctt ttgtttttca    540
tgttaggcta gtcttgcctg ttctagaatt tcatataact gagaacatac agnaatgtac    600
tcactagtag tgtctgactt tttcacaaag gataatgtct ggcggtattc attcatgctg    660
ggngtatgca tcagtagttn attntctttt tactattaag tagtgttcta aggactattt    720
taatagcatn ccacaaangg ggtntga                                       747
```

1212

<210> 3938
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 3938

```
agttnttcnc angannactn antgggctgc cctactcgtt cttttttgcag gnngcccatc      60
nattcgaatt cggcacgagg tgtgggtcan tttcatcaag tactttacaa ggtaatagaa     120
tatcacaagg caagtggagg cagggtgaga tcacgggacc agggcgaaat taaaattgct     180
aaatgaagtt tcgggcacca ttgtcattga taacatctta tcaggagaca gggttttgag     240
atcaaccagt ctgaccaaaa tttattaggc gggaatttcc tcttcctaat aagcctggga     300
gcgctatggg agactggggt ctatttcacc cctgcagttt cgacagtaag agacggccac     360
gcccaggggg ccagttaaga gacccacccc caggtgcgca ttctctttct cagggatgtt     420
ccttgctgag aaaaagaatt cagtgatatt tctcccattt gcttttgaaa gaagagaaat     480
atggctctgt tccgcccggc tcaccggcgg ccagagttta aggntatctc tcttattccc     540
tgacaatcgc tgttatcctg nttttttcaag gtgcccacat ttcatattgc tcaaacacac     600
atgctgtaca atttgtgcag ttaatacagt tattacaggg tcctgaggtg acatacatcc     660
tcctcagctg acaggattaa gagattnaag taagtaaaga caggcatagg aaatcacaag     720
ggtattgact gggggaagtg ataantn                                        747
```

<210> 3939
<211> 810
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(810)
<223> n = A,T,C or G

<400> 3939

```
agncnttnnc canntnnact nctntggctg cncatactcg tcctcgcccn annangacag      60
ggcnnggcga atncggcacn cagaggcagg tgngtttttt aaaaggtnaa cacaccngtt     120
atgccttcnn gtacgggcat gcgagccaga agantntgca nctgcnngga gagatgaagc     180
naaactntgc aacattcaac tgcattaaan aaaaatgatg ccnanagggc ctttgagcaa     240
gaaatgnngg nngatnaang acacccgnng ccngaactct gcgcgggaca tnnnggttat     300
ggctctgtna gctcntaacn ctgcagntga cccagacnnc tannggcngg actaggggat     360
gangcggctc actgtgggcn ntncgtgaga ccncaggnca nncatgatga ctgnaaacag     420
antcccanan actctactgg atcctccctt ttccttgcta acacatgaaa ctgatccagg     480
atacacagcg caanaagnat ctgaatggca gtgaattctc ttnaacataa cccgcnatgg     540
cnatnggggc ttcantggaa tagangggta caggtcaacn ggggttgacc ctgcggnttn     600
gnnnggncan cggcnttntg agncanaaat acncgtaang ccaantttac agccatgaan     660
caaggatccc ccnttngggn tttggggatc atcacggnat tgntgttggt ggcantaacg     720
ctgaaatgga aaagggaacc ttgccccttta natgacccttt tggggaaanc ccctnaaaan     780
ggaatcgtaa aagnccaanc nccaangtcg                                     810
```

<210> 3940
<211> 749
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 3940
agagnnnnnn ntnttgactc ctaatggctg ggctactngt tctttntnca ngtngcccag      60
cgantcgaat tcggcacgag ataacttcta aggaaacaaa ccaccctcac atgcactatc     120
tcatttgtat ttctgtcaat tctgaaaggc cagcatttgg ccagtattat ttgaatctgt     180
attgtatttt ttaaccagaa gaatgaaggt ttatagcttc attcttttgg aagaggaggc     240
tggagaccac aggttaaatg caggtgcatc gctcttggcc ggccctggaa gggtcctttc     300
tccctccttt tacactcgca gacaagcttg tggatgctca ataaggacag ctgccgtttg     360
gacagagatt aatcatttat ttgtgaaggt ttttctgcc ttgctttctt gttctttttt     420
aaatcttcac attgttttga tcccaaaatg tttgtgttgt ccttactcaa aactaggaaa     480
aacaattatg tggtaagagg ctcagagcca cttacttaaa tctcactaga tttatttgtg     540
agaacatctg ttttctgata tttagacact tnctcttcca ttgctgtttc ctatgactca     600
tgcacagtta tttgttcagg tttcatggga atttcccaag tgtatttacc tttgtttggg     660
tttttaaaaa tgtaaattat attggcccaa taaatgagta tgtgttgtca ngggactgt      720
ggctgggtca ttgcatgtgg aaggggaan                                      749
```

```
<210> 3941
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 3941
agngnnnnnn ttttgnntct aatgcttggc tacttgttct ttttncangt tcccatcgat      60
tcgaattcgg cacgaggggc catgtacctc ccggacaccc tctctccacc gaccagctca     120
agtccacact gcagaccctc ccagagattg tggcaaagga agcacaggtg aaagtggccg     180
aggtggaggg cgagcaggtg dacaacaagg ccaagctgga ggccacgctg caggaggagg     240
cggccatcca gcaggagcac cgtgagaagg agctgcagaa gcgctcggag gtggcgaagg     300
attttgagcc cgaacgtgtg gtagctgctc cccaaaggcc ggggaccgag ccacagccag     360
aaatgcctga cacagtcctg cagtcagaga ccttgaagga cactgccccg gtgctggagg     420
gcttgaagga ggaagagatc acgaaggagg aaatcgacat cctcagcgat gcctgctcta     480
agctgcagga gcagaagaag tcactcacca aggagaagga ggagctggac tgctgaagga     540
ggatgtgcag gactacagcg aggacttgca gggagatcaa gaagggaact ttcaaagact     600
ggtgaagaaa aattccgtgg aagaatctaa agccagcaag agattgacna aaagggtgca     660
gcaaatgatc gggcagatcg atgctttgat ctccactgga gatggccaca gcttgcagct     720
ggcccggcaa cggatgccct                                                740
```

```
<210> 3942
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 3942
```

1214

```
aggtntnnnt  tttgaccCta  atggctggct  actngttctt  tntncaggtt  gcccagcgan        60
tcgttttacc  ctcctataat  gcattttctt  tggatattct  cctagattct  cagggatatt       120
tccatatttt  actattcatg  agtttagaag  agtgtttact  ttcctgagtt  ttcatttcct       180
tctttttctt  ctgtcatagg  taatttacag  agcaaatagc  caccagagag  gataccgtaa       240
gggatgtgga  aaatgagttc  ctttgcgctt  atccagtgag  gttgattttc  agtcaatgag       300
cattcagtat  atgcctggga  ctctggcttt  atttttagc   tttgtgatgc  caaacccatc       360
aatgaacttc  tctgtatatt  tgattcatca  tgaaatggtg  acactgaggg  tggctgattt       420
ccaggtttac  atcagttgcc  ccaggggaag  tgcctggccc  ttgtctggtt  gttgctgctc       480
taactttgcc  ctgttaattg  aagaaatgcg  gctgtaaaca  cttctggggt  gttgctggta       540
ttttctgtcc  tcacagttta  cagagaaacc  catattttca  gcctcttcct  ctgctttctg       600
tcttttctgg  aaccatcttc  accgacctgg  tgtaatcttc  attggngtgt  gantntgcac       660
agatgtaaca  tctnctcaaa  gcctantgcc  caccttccaa  cttcacgaaa  atctggagct       720
caggaccacc  attctttcca  aaccct                                              746
```

```
        <210> 3943
        <211> 743
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(743)
        <223> n = A,T,C or G

        <400> 3943
agtnnnnnnn  tnttgactct  aatgctggct  acttgttctt  tttgcaggat  cccatcgatt        60
cgaattcggc  acgaggggca  ggctttgaga  ggatcgactg  caattttgaa  agaagttgta       120
ccgtgagtaa  aatgcgatca  aacagcattg  catgcttcag  agaaatcttt  cttcacaaaa       180
ggaacaattg  gtgcagcaaa  attaatttc   ttatttaag   aaattgtcag  ccgggtgtga       240
gccaccatgc  ccggccgaca  taggctattt  tttaaaatgc  aagctcttct  gaaccatata       300
atatgatgtt  ttaaaatata  gactctgaag  acaaagacct  gggctcagaa  tcaggcccca       360
ccacttattt  tcaatggaat  cttgtctgaa  tcttgtaatc  tttccaagcc  tcagtttttt       420
catctgtata  ataggataa   aaataatagt  aaacaaataa  atgtatttct  tttgaatatc       480
tagtagtatt  ttaaaaatca  gataactaga  attatataac  tctatgtgct  ttattttta        540
cttgtttgct  gggaatcaaa  gagcttagtt  ttgttttttg  ntntttgntt  tttttgaga        600
ccggagtctc  gctctgtcac  tgcactacag  cctgggtgat  agaatgatac  tctgtctcaa       660
aaaaaaaaaa  aaaggaaaaa  ggatgaaatc  acacttggag  caaaaaaccc  aangcatatt       720
taaagatttg  ngtattgggt  taa                                                 743
```

```
        <210> 3944
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 3944
agtnnttnnn  natnggaaac  cnttatggct  nggcctactn  gttctttttg  caggagccca        60
tcgattcgaa  ttcggcgcga  gattgcncat  tgnttttatc  tgtaagttgt  ctttatcagt       120
ggttctcaaa  gtgtggtccc  ctgctagtat  agtntcagcc  tcacattgga  actggttaga       180
aatgcagact  tctcaggatc  cacctaattg  cagnagttaa  ttttaacaag  cccttcggtg       240
atcctgaaac  atgttacagt  ttgagaaaca  ctgctataat  acgtgtcatt  tnaaattgnt       300
tcaggttgtg  ggggtaggga  ataagactac  caatttattc  atcttctgtg  caatattacc       360
```

```
tgtttaccta actcttagag atattaanan attttgaaga atgtgtccca tgagattata    420
atggaactga caaattccta tngcttagtg atntcatagc tgncatgaag ncttantgct    480
gtaccttact catgtgtntg nggtggngat ngtgtacaca aatcttctgc actgccagtc    540
gnctgaaagt atagcacatg gccgggcgcg gtggntcacg cctataatcc caacactttg    600
ngaggcttga tgcaggcaga tcacaaggtc aggnanattg agaccatnct ggctaacacc    660
ggggaaaccc tgtctcttct anaaatncca aaattagctn ngtgtggtgg cncacgtttt    720
gtaatcctgg ctacttggan gctgaagcac caga                                754
```

```
        <210> 3945
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3945
agtnnttnnt nnatnaactn nttgctggct acttgttctt tttgcangat cccatcgatt    60
cgtctcaccg tgatcaagtt gagggggnttn cggctccctt ctacagcctc agaaaccaga   120
ctcgttcttc tgggaaccct gcccactccc aggaccaaga ttggcctgag ctgcactaa    180
aattcactta gggtcgagca tnctgtttgc tgataaatat taaggagaat tcatgactct   240
tgacagcttt tctctcttca ctccccaagt caaggggagg ggtggcaggg gtctgtttcc   300
tggaagtcag gctcatctgg cctgttggca tgggggtggg acagtgtgca cagtgtgggg   360
gcaggggagg gctaagcagg cctgggtttg agggctgntc cggagaccgt cactncaggt   420
gcattctgga agcattanac cccaggatgg agcgaccaac atgtcatcca tgtggaatct   480
tggtggcttt gaggacattc tggaaaatgc cactgaccag tgtgaacaaa agggatgtgt   540
tatggggctg gaagtgtgat taggtangag ggaaactgtt ggaccgactt ctggcccctg   600
ctcaacactg acccctctga atggtnggag gcagtgcccc agtgcccaaa aatcccacca   660
ttantggatc ggnncntatg aaaaagaagc ctggaaaaag tattggggcc aatgtgttaa   720
gngnggaatc ancacattcn tactgnnat                                      749
```

```
        <210> 3946
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3946
agnnnnnnnt tnnntctttg ngcctaatgc ttggctactt gttctttttg caggnaccca    60
tcgattcgaa ttcggcacga ggacttgatt tggtaatgaa aggacaaata gctttcataa   120
catgaacata caaaaataga tgctttgctg ttgttcagtt ttctcaagac ttactgtttt   180
aagcttgtaa aattaatgaa cagtaaaata gcagaaaata gtgatacatt ggatgatttt   240
aatagtttta ttagtgagat atttgaggta ttcgaattac tacaattctt tccaatccta   300
caagttaaaa attttgttat ggttgctgac tttttaaatgc tgtttattct ctgaaggcag   360
ttttatgatg catttagaaa aaaggtaaga gagatgtagg cattatactg gttcatcttt   420
tacctaatgc atgaccagta tactagagga agttgtgatg gaccagagtc tttttgtttt   480
gtaatcaaat gaatagttcc ttcataacca ggacagctag tgtgtgcttg agaatgtctc   540
cctcactata tgatctggga tattctgcat taaaaggact cccttcccag tattgggaga   600
aagagagatn aattgacaca tttttactct gactccttca tttatctttc cacataccag   660
gatcattttg gncttttaaa atgtccaagg ttccaataag tttaaatggt attagtggnc   720
```

```
ttctacattt gatcagtaat gnagatggc                                        749
```

```
        <210> 3947
        <211> 741
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(741)
        <223> n = A,T,C or G

        <400> 3947
agagnnnnnn ttttgactcn tantggctgg ctactngttc tttntncang nngcccagcg      60
 ctcgaattc ggcacgaggt ccatctttgt agctgacatg acacatttta aaaatttcac     120
attaaaatga aggcatctaa tggctccatt atgtctttta gagtggtctg gcccagctaa     180
ttgcatattg aaatacatta gatttgtcat aaattacttt cctttattgt cttttctgtc     240
aatcttagga cattaaatgt atatgtttga aattgtgttt aggtnggtta tctgagcatt     300
tggttcatat agtaaagaga gtgttataag ttcactgtaa gccccagggg ctttgggact     360
natnnggttt anaacattgc actagggaa atgaattgtt aagnnatgnn acttctctan      420
actaatgant catctgantt aatactttc atgtgaagca tttttaaaga aagcaaacca      480
gcctggtgcg gtggntcaca cctgtnatcc cagcactnng ggaggcagan gcnggctgga     540
tcacgangnc aaganattga gacctnctgn ccaacatggt gaaaccctgg ctctactaaa     600
aatacaaaaa ttagctgggc atantggtac ntgcctgtag tcccagcttc ttgggangca     660
nagcaggaga attgctttga cccgggaatg gaggttcant gacccaaatc gcgccactgg     720
ctctacctgc acaaatgaga t                                               741
```

```
        <210> 3948
        <211> 847
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(847)
        <223> n = A,T,C or G

        <400> 3948
cnntttaatt ccatcagctc ttgttctttt tgcaggatcc ctcgattcga attcggcacg      60
aggggtgctt ctgtatatcc tgacaacagt ggccagccat taaagagttt tgagtagggg     120
aactggattt gtggtttttag aaagatcatt tggcttctgt gtgaaagagg ccaaaaccag    180
gagcagaaag accagttagg aagctgtgac agcagttgag agacgatgtt gtcaaagtct     240
gcagcagaac agaacagggg tgaccccaca tggacatcat ctctgctctt cagtcacctg     300
tagtgcagag ttttgaagta ggtctgagca tggaacccgt agtggttggg aaggaaatgc     360
catttgccta tggggtgatt aagatctttt ttttttcct caggcggagt ctcgctctgt      420
cccccaggct ggagtgccgt gacgtgatat cagctcactg cagcctccgc ctccctggtt     480
caagcaattc tcctgcctca ncctcccaag tagctgggat tacaggcgcc caccaccacg     540
cctggctaat ttttgtattt ttaanngnnn annnnnnnnn nnccntntnn ntcntnnnnn     600
nnnnnnnntn nnnnnntnnn tnntttnttn nnnnnnnntn nnnnnntnnn nntnnnntnn     660
nnnnnnnnnn nnnnnnntnn nnnnnnnnnn nntnannnnn nnnnnnncnn nnnnnntnn       720
nnntnnnann nnnnnnnnnc ntntnnnnnn nnnnnnnnnn tnnnnnnnnn nnnnnnnnna      780
nnnnnnnnnn nnnnnnnnnn annnnnnnnn nntnnnnnnn ttnnnnnnnt nnnnnnnnnn      840
ntnntcn                                                               847
```

```
        <210> 3949
        <211> 743
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3949
agagnnnnnn nnnttnttna ccnctaatag gcttggctac ttgttctttt tgcaggnacc      60
catgcgattc gaattcggca cgagcccacc ttctctctct cattgtctga ttgaaagcac     120
caggtctccc acattgcttt catctttgtg ctgtttgttg tccctttcca tatctgtatt     180
tatgctacct gttagggctc ttgccgaagc aggggtggga acaagaacca cagatatact     240
tctgtggttt gtgaagcatt gtgtggaggg ctgtgtacac agagtacctg gggcagttgt     300
cacagccact ctgtgtggta gctgctactg tgcccatctt agaaatgaga aggctgaagg     360
acccacccag ggccacacag ccagtatacc caaaagtcat acatttgtac tctgttgctg     420
tctcctgtcc tatagtacca cgcactaggg ctcctgtcca tgtgcgtaag aatgaccgcc     480
tanccgtcaa taagatgatc agcaaggtca cacggcatgg cttaagtctc cctttgccta     540
ctgcatgatg atcccgggtg gccagcaagc agctggaaga ggaggatggc aggtaacggc     600
tctcatctct caccactaga tgatgcctna ctcatcctac catgctgggc caccccaacg     660
ttttcttgcc acctatggtc ttttgtancc cgtgacagcc actgtttgac ttcatcgana     720
cttnttgcgc aacaagcacg aaa                                             743

          <210> 3950
          <211> 740
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(740)
          <223> n = A,T,C or G

<400> 3950
agtnntnnnn tntgaagcct ctaangcttg gctacttgtt cttttncag gacccatgcg       60
attcgaattc ggcacgaggg cagatgtnct tggagttcta ccagaagaag aagtctcgct     120
ggccattctc agacgagtgc atcccatggg aagtgtggac ggtcaaggtg catgtggtag     180
ccctggccac ggagcaggag cggcagatct gccgggagaa ggtgggtgag aaactctgcg     240
agaagatcat caacatcgtg gaggtgatga atcggcatga gtacttgccc aagatgccca     300
cacagtcgga ggtggataac gcgtttgaca caggcttgcg ggacgtgcag ccctacctgt     360
acaagatctc cttccagatc actgatgccc tgggcacctc agtcaccacc accatgcgca     420
ggctcatcaa agacaccctt gccctctgag cgtcgctgga tctctgggag ctccttgatg     480
gctcccagac cttggctttt gggaattgca cttttgggcc tttgggctct ggaacctgct     540
ctgggtcatt ggtgagactt ggaaggggca gcccccgctg gcttcttggt tttgtggttg     600
ccacctcagg tcatcctttt aatctttgct gacngttcaa tcctgcctct actgtctctt     660
cataccctgg tgggggtccc ccttntttct ccatggacag aanaccacca ctggggatgg     720
ggaattaaag ttganaacat                                                 740

          <210> 3951
          <211> 744
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(744)
```

<223> n = A,T,C or G

<400> 3951

```
gagnnnnnnt ntnttgtnnc taatggcttg gctntngttc tttntncagg ctcccatgcg      60
nttcgttcaa tagcatgtta agtagatatt atctgacaga cctacaagtc tcacttatcc     120
gngacatcag acgaagaggg aaaaataaag ttgctgcgca gaactgtcgt aaacgcaaat     180
tggacataat tttgaattta gaagatgatg tatgtaactt gcaagcaaag aaggaaactc     240
ttaagagaga gcangcacaa tgtaacaaag ctattaacat aatgaaacag aaactgcatg     300
acctttatca tgatatttnt agtagattaa gagatgacca aggtaggcca gtcaatccca     360
accactatgc tctccagtgt acccatgatg gaagtatctt gatagtaccc aaagaactgg     420
tggcctcagg ccacaaaaag gaaacccaaa agggaaagag aaagtgagaa gaaactgaag     480
atggactcta ttatgtgcag tagtaatgtt canaaactga ttattcggat cagaaaccat     540
tgaaactgct tcaagaattg tatctntaaa ttctgctact tgaataactc agttaacgct     600
gttttgaact tacatggaca aatgtntagg acttcaagat cacacttgtg ggcaatctgg     660
gggagccaca ctttcatgaa ntgcattgna tacaaaattc anagttatgt cccangaata     720
ggtttaccat gaaaccccat tnnc                                            744
```

<210> 3952
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(764)
<223> n = A,T,C or G

<400> 3952

```
agagnnnnnn ntntntttgt ctncctaant ngntgggcta ctngttcttt ntncaggnat      60
gcccatgcga ttcgaattcg gcacgaggct cattccagct ggtctatcgt gggcctcaca     120
aggtgaagag ggaccgcatt ctggggccca cgatngacca cctgtagctn attccatcct     180
gnaccttgna tgaggggtag cctcccactg catcccatnc tgaatatct ttgcaactcc      240
ccangantgc tnatttaagt gttnatactt ttnagagaan tgcgacnatn caattgtgag     300
atctccncct gcccattgcc tgntngnagg gcacctctnc tccaccnnna tgganngggn     360
ngcagctnaa nggccctnan acgganctgn tttcatnaag atnacattac acngagnnga     420
gctaactggc ctgnatngaa angtnntta tgancnaagn nacaancttt ttaanngttc      480
ctganannac ttgngncnct agaacaatag antgtccaat tacaaagatc cncacntgat     540
gcnatacntt gatgagcttg actacaccnc ngctttaatg caannncaaa aantgccctn     600
tttngnaaat nnnacataca tncgtttttan gantaaccat ncanaaagtt gnattanacc     660
angttgaacn ccncaatgnn ccttcaattt taannggcta ggntnngctg anggtnangg     720
accgcccnnt nttgtttgct cggccnggna atgggattgg ccct                      764
```

<210> 3953
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 3953

```
agagnnnnnn ttttttttntc nactaatgct tggctactng ttctttctnc aggntcccag      60
cgattcgaat tcggcacgag gtgatgctgg tgatcaatgg actggaagcc aacagcagag     120
acttagaccc aagaagggag cttgaggtac aagaaaactt cagggtagac aggaaggagg     180
```

```
cgtggtgaaa gtgatgaaag gggagagtag aagggtggtc cagggtcaga cagggagtta    240
gatttaatcc ttcagggcac tttcattaca tcatagctgc cattttgtct tttatctgac    300
tcaataataa gtcagtaata agtaatgttt taattaaagg taaatgcttg gcaggtaggt    360
taaacttcat tgagtcccaa tcctgtcata attattgtgt atacctttct cagctttttg    420
tctacttgaa atatatttct tcttcctttg agcagccaaa atggaagtgt tggatgtgtt    480
ggctctgttg gtaggctcct gttggatgcc tgttgtcact cataaatgta acaccacaac    540
cataattgat ggcanagttg agttgcaagc ttttaggact aattgcaaag tctaaactaa    600
aacatttcct gganctgcct ttaaataata ataataatac cttgtataga tacagtgctt    660
tacaatttac agagcacttc cacatacatc atctcattta atcttcacaa ttaacaatgc    720
nttttgaatg cttagatatt tcctangg                                       748
```

```
        <210> 3954
        <211> 748
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = A,T,C or G

        <400> 3954
agagnnnnnn tttttttntc nactaatgct tggctactng ttctttctnc aggntcccag    60
cgattcgaat tcggcacgag gtgatgctgg tgatcaatgg actggaagcc aacagcagag    120
acttagaccc aagaagggag cttgaggtac aagaaaactt cagggtagac aggaaggagg    180
cgtggtgaaa gtgatgaaag gggagagtag aagggtggtc cagggtcaga cagggagtta    240
gatttaatcc ttcagggcac tttcattaca tcatagctgc cattttgtct tttatctgac    300
tcaataataa gtcagtaata agtaatgttt taattaaagg taaatgcttg gcaggtaggt    360
taaacttcat tgagtcccaa tcctgtcata attattgtgt atacctttct cagctttttg    420
tctacttgaa atatatttct tcttcctttg agcagccaaa atggaagtgt tggatgtgtt    480
ggctctgttg gtaggctcct gttggatgcc tgttgtcact cataaatgta acaccacaac    540
cataattgat ggcanagttg agttgcaagc ttttaggact aattgcaaag tctaaactaa    600
aacatttcct gganctgcct ttaaataata ataataatac cttgtataga tacagtgctt    660
tacaatttac agagcacttc cacatacatc atctcattta atcttcacaa ttaacaatgc    720
nttttgaatg cttagatatt tcctangg                                       748
```

```
        <210> 3955
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3955
agagnnnnnn nttgttnnct acttnatgct tggctcttgt tcttttttgca ggctcccatc    60
gattcgaatt cggcacgagc gcataaggaa agctggaaaa taacctataa ataatggcaa    120
aaaaaaagca aacaatagga agaggaacta tataaaagga acatttggag catagaagag    180
agttcatgga aatgtaaaaa atgatggtac cctgggtttg atatagtaag taaaaaacta    240
agggtaagag ggtcatgaaa gcatctanaa ntaggaggga aagccagtca aattcacagg    300
atgaagtcag gaagataata gagcantgcc cgcangatcc tgagggaaag caagttccaa    360
tctataagtc tgtaaccctc acacctgatg gcccttgaa catattcagg gcttcaaaag     420
attgatctgt catgcaccgt ctgccatgat actgtgtgag gatgtgttct tcttcttaaa    480
cattaaatca agaaagaatc atcagtggac ccagtnaata ncanatcagc ctaggataag    540
```

```
atgccctaga agatggtgaa nggaagtctc agaactactg ttcttcanca ggcagcnaan    600
acacctgatc catattggag tggtgggatg cgagcttcag gaagggatgc cacaagggna    660
aagtggaang gatgatgact gtcttcaaga agttacaggt ctttaagaat ttacatccaa    720
cattactttn gcttcgaagc cccggctga                                      749
```
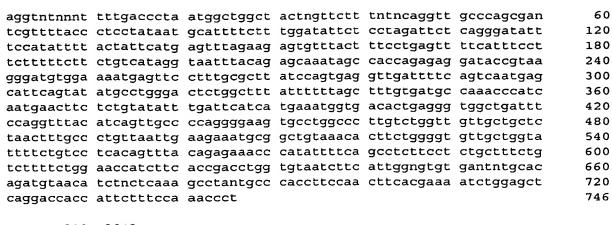
        <210> 3956
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 3956
```
agagnnnnnn nttgttnnct acttnatgct tggctcttgt tcttttttgca ggctcccatc     60
gattcgaatt cggcacgagc gcataaggaa agctggaaaa taacctataa ataatggcaa    120
aaaaaaagca aacaatagga agaggaacta tataaaagga acatttggag catagaagag    180
agttcatgga aatgtaaaaa atgatggtac cctgggtttg atatagtaag taaaaaacta    240
agggtaagag ggtcatgaaa gcatctanaa ntaggaggga aagccagtca aattcacagg    300
atgaagtcag gaagataata gagcantgcc cgcangatcc tgagggaaag caagttccaa    360
tctataagtc tgtaaccctc acacctgatg gccccttgaa catattcagg gcttcaaaag    420
attgatctgt catgcaccgt ctgccatgat actgtgtgag gatgtgttct tcttcttaaa    480
cattaaatca agaaagaatc atcagtggac ccagtnaata ncanatcagc ctaggataag    540
atgccctaga agatggtgaa nggaagtctc agaactactg ttcttcanca ggcagcnaan    600
acacctgatc catattggag tggtgggatg cgagcttcag gaagggatgc cacaagggna    660
aagtggaang gatgatgact gtcttcaaga agttacaggt ctttaagaat ttacatccaa    720
cattactttn gcttcgaagc cccggctga                                      749
```

        <210> 3957
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 3957
```
agtgtnnnnt tttaatccct actaatggct tggctacttg ttcttttttgc aggnacccat     60
cgattcgaat tcggcacgag aagagaccat catctcatca aagagagtta aaagtaggga    120
tgttctctgc aaggcctctt ctgatatgat taattgattg taaattaagt aatcaaggca    180
tactttgttg atttgtcata tctgggtaaa aggtttatgg tttatttaat aaatgaaact    240
gcaaaatcag ttttctacat ttctgttata ttttgttaa agcacttaaa agaatttctg    300
ctctgtccag gggcaagatt cttgccaaga gaattaatgt gcgtattgag cacattaagc    360
actctaagag ccgagatagc ttcctgaaac gtgtgaagga aaatgatcag aaaaagaaag    420
aagccaaaga gaaaggtacc tgggttcaac taaagcgcca ggtaagaatt tggtgtatat    480
ttcattggtt ctgagagcac tttaaggttg agatttaaca catcacataa ttattntatt    540
ccctttttttt ttcctttaat agcctgctcc acccagagaa gcacactttg tgagaaccaa    600
tgggaaggag cctgagctgc tggaacctat tccctatgaa ttcatggcat aataaggtgt    660
taaaaaaaaa aaataaaggg acctctgggc tacaaaaaaa aaaaaaaaaa actngagcct    720
ntagactntg tgagtcgttt acgtanaacc                                     750
```

        <210> 3958

1221
```

<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3958
```
agngnnnnnt tgatccttnc taatgcttgg ctcttgttct ttttgcagga cccacgattc    60
gaattcggca cgaggtaatt tgtaaattct gtggtacttt tcaaatgtat atcatttact   120
gagtctgatt atcacacggc ctggcatata ataagtactc tataagtatt ggctgatttc   180
taataggtct gaaaatttat cctttagaat ttttctttca gttggtttag cgagtttccc   240
tttgatgttg aaaatgtttt tttttaaaaa tctaacctag accatcccaa atcatgaatt   300
actgttgtgt gaaacagtga gactactgtt tttatgccac aggtttataa ttatgcaaat   360
aaatactaca tctttgcatt cattttggtt ttacttaccg aattttcatt ccaggaatgt   420
ctgaatctga acaggctctt aaaggtactt ctcagattaa attactctca tctgaagata   480
tagaagggat gcgacttgta tgtaggcttg ctagagaagt tttggatgtt gctgccggca   540
tgattaacca ggtgtaacta ctgaagaaat agatcacgct gtacacttag catgtattgc   600
aagaaattgc tacccttctc ccctgaatta ttataatttc ccaaagtctt gttgtcctca   660
gaccttattg ctttaaaata taataatgnt ttcattactt ttattatttg gaatgattta   720
gtaaaagttg actgaatctg gtt                                           743
```

<210> 3959
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(743)
<223> n = A,T,C or G

<400> 3959
```
agagnnntcn tttaatctna ntgnactctt atggcttggn tactcgttnt tnnnnaggca    60
gcccatgngn ttccaatncg gcacgaggcc aaatgcactt ttgtgtatcc naagngaaaa   120
gangagaggn ctcggatgac catgcttagt taanggggag ggtgaccttt natatgcaag   180
tngggaaatn cagangaaagt gaaaggggnc canaatgaaa acacatgaaa taagataagc   240
aganatgaaa ngnggcncta gaactgtaag aagcatttga acaggcanaa cagtgctgga   300
gactttagga gagggctcaa gctgccatgt ggccggtcct caaatagttc tagaatgact   360
agcatatctt tttacaaaac tatnagcaac ttgagggcaa aaataaagtn tatttatctt   420
gcatccngaa naataaacnt ggtgctnggc attnggtagg tnnnctttat gngtatatat   480
gaaaagcata ttttcatttt attagaacat tgtggtaaaa attctattga aaaccatgct   540
ntaatgtaga tagctcnact tanttcggan gttccaaact ttttngttca agtncccatt   600
tatgctccta aaattggtct gccagtctaa aatacttant tnatgtnggt natgtctatc   660
gatatttacc atttnagaaa ttaaaactga nagatttgaa accattnttt naaacccntta  720
catgntaaca taaaacgtat ttt                                           743
```

<210> 3960
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

1222

```
        <222> (1)...(726)
        <223> n = A,T,C or G


        <400> 3960
cttatcttct aatggcttgg ctactngttc tttttncagg atcccatgcg attcgaattc          60
ggcacgaggt gaccaccact ccattcttgt ctcctgtgtt ctcggttcag accacccaca         120
aaggcagctt caaagccaaa tcctcaggaa gggggatctg cccgggctag ctagtcacgt         180
gtcaggcaca gtcagctctg ttgaggggtg tgcagtgagg gctcagtgag gccacagagc         240
tcagatgtgg ctatgaagac tcctggttgg tggggatgg cagttctcac agatgagagg          300
tatggatggg ctgggtgcaa tgactcacgc ctatgatccc agccctttgg gaggccaagg         360
tgggcagatc acttgaagtc aggagttcga gaccagcctg gccaacatgg tgaaaccta          420
tctctaccaa aatacaaaaa aattangtgc ccatggtggt gggtgcctat attcccagct         480
cccaggagac tgagcangag aattgctcaa acccaggagc ttgaggttgc agtgagtcaa         540
natcacacca ctgcnctnca cttgagcgac agaataagac tctgngttaa caaaannaaa         600
aaaaaaaact cgagcctcta naactatagt gagtcgtatt acgtanatcc agacatgata         660
agatncttgg tgantttgga caaaccacac tagaatgcan tgaaaaaaat gcttttattt         720
gggaaa                                                                     726


        <210> 3961
        <211> 747
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(747)
        <223> n = A,T,C or G


        <400> 3961
agngnnnnnn nnttntctta tntacttaat gcttggctac ttgttctttt tgcaggctcc          60
catcgattcg aattcggcac gagctgagtc tccttataga tgaggcagca gaggcctttt         120
acaaatacct ctcttgttcc agttacacaa gtcataattt actgagcacg atggtaaaat         180
cctttaaaaa tgtagtaaaa agaacagagt atgcatatgc aaaggaggag attggggaaa         240
gcaaattaga agtctatgca ttctgtagac agtgaaagct ggttcaagca gaatgaataa         300
gaaagtaatt taaaagaag gcatcactta ttgactaagg tcaaacagga ggaatacaca          360
taaaaaccag aaactaactt caagcagaat gaataagaaa gtaatttaaa aagaaggcat         420
cacttattga ctaaggtcaa acaggaggaa tacacataaa aaccagaaac taacagcaat         480
tatgatgata atattccaaa aaaaatcttg agtgaagaag aagaagaaga agagtaatag         540
caaacccttg tgataataag tgccaggtgt gtagtatgtg ctgctattaa agtaaatgga         600
tgttcaatta tttaatttat aattctggnt tcatggatag tcctttaagg gaagtgctat         660
tttgatgttc atctttacat gtgaagaacc ggttaagaga gattactgat tctccanggt         720
cactcactga tgggtggtgg naattgg                                             747


        <210> 3962
        <211> 750
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G


        <400> 3962
agngttnccn tannaactcn tgaaangctg ggctacttgt tctttntnca ngnngcccat          60
gcgattcggg aaccaggggc tgcagaacct ttccctcccc aatgaggacc ccctctggac         120
```

1223

```
gcccctcccc atggagaaca ccaggagcca cagaccccag accacagagc acacagggga      180
gggcacgggg cggccggggc agggtgtctg ctgcctcgtt tatgggattt gctccgcgtc      240
tagcacactg ctgcctgcag tgctcctgtc ccctgcagtg gctactctgg gcctacgggc      300
ctaatcctgg ttggcatgaa aatgtcctga ggctactgtg acaaatttcc acaagctgag      360
tggcttaaag aacacattt gttctcttac agttgcaggg gccanaagag tctaaaaaca       420
gtcagcaggg ctggttcctc ctggagctta gaggggctga atccgtttcc tgcctttttt      480
agtatctgga gggcgcctgc atccccttgc ttatggcccc ttccatcacc aaagccagta      540
gtgtcacatc tttcactctc cctgacctga ctncgccttt ctcttagaag accctgtgt       600
gactttggac tactagataa tttagggtca tctcttcatt tcaggaacct ggaatttaat      660
cccacctgca agtncctttt gccaggtaag gncacaaatt cacanggtct tgaagatgaa      720
agatgttgga ccctttttga gggncatgat                                       750
```

```
        <210> 3963
        <211> 462
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature ·
        <222> (1)...(462)
        <223> n = A,T,C or G

        <400> 3963
tnttcatctn gcnnttggnc ttntngcacg atccctcgat tcgaattcng cacgagacac       60
attcttccat ttgtcagtaa gagtaataat ttgactgttt tattggattt tagccttttt      120
gatttcatat agctgtatct taatatatca ttgtttttaa tatgtctaca ttgaatactt      180
attacttgtg caatgaaaaa taataattaa agatgaaagt taagcctgtt accactttca      240
gagaacaacg tgacgttttg gaatttaaaa tttttttcagt agatttgaga aaaacttggg     300
ttaaaatgaa gatttatgct cagaactgag attccagggt ttaagtctgg ttttaaagct      360
gtcttcaaga ttttaatgta ttttctgtgt gtataggatg ctctcatttc tgtttttaaa      420
aatgaaaggg atcgctcctg taatcccagc actttgggaa ga                         462
```

```
        <210> 3964
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 3964
cccccttnt ataccntcc tnctactngn tcttttttgca ggatcccatc gattcgcttt        60
gtcccaatat ttgtgacacc agtgtaatga cttggttaag ttgggttgac caggttcctc       120
cactggncag gttatacttt ttcattctgt aattaatgta tcgctatata ttttatatac       180
tttgaaactg taaacatctt gtcctcatca aaccttcacc tactaatttt agcagtcatt       240
gctaattttt taaactccca ttctttctac atttagtagt tggcattcta ctataaggaa       300
gaattttccc ttttttccttat tttgtgtata cttatttatt aatatttatt atttattaat     360
atatatgcaa gtatagacac ttgcattctt attgtattca gtggattatg atccattgct       420
attttctgtt tgggctaaat tgtcccatat tccatcagtg ggaatgcctt caagttaact       480
attgtgtgcc tttgacatgt gcccaacatg gtgaaaccca atctctactg aaaatacaga       540
aaaattacct tagcatggtg gtgtgtgcct gtaattccag ctactctgaa ngctgagtgg       600
ggagaatcac ttgagcctat aaggcanang ttgcaatgag ccnagantag cgctactacc       660
actncancct tgggtgacag cgtgagaacc tgtctcaaaa aataaaaaaa gaaaagagaa       720
aaaggaaaaa aaaaaaaaaa aaactcnacc ctctanaact atagggagg cggtattacg        780
```

●   ●

```
tagatccaga catgattaag anacattgat gagtttgggc naaccnct              828
```

```
        <210> 3965
        <211> 810
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(810)
        <223> n = A,T,C or G


        <400> 3965
ttnattccat cagctcttgt tcttttttgca ggatccctcg attcgaattc ggcacgagat    60
agtaaattag tcatagaaag gcaaactcaa ataactttga acacagctct ttgactatcc   120
acctgtgtgt aaacaaacaa aactacaaag aaattttgta cttcacttag ttggtagtga   180
tctggtatag caattctgaa aatattttct gtgtattgta ggattaaaca aataagtaaa   240
tataatgata ttcttgggag ctgggatcct cactatgaga gaagaaagat aaaaatatgg   300
agtgaaggaa ggcaaagaag agctccatga attggaatga gagattccac agattactta   360
ttaattacaa agataaaaaa ggaacctta tagtggagaa acttggaaac ttggtggata   420
acacaacttt tcgttttttt ggagacagag tctcactccc tcacccaggc tggtctcaaa   480
ctcccgacct caggcgatcc acctcaaagt gctgggatta caggcatgag ccctgcgcca   540
ggcctatttt taaaaatcag atctctcctt tgctccaatg tttttatcat ggaaagagac   600
aaatcactca tattttcttt ttncagacaa tactgctttc tgtggtgtag cccaaaagac   660
tcgtcttttn catgttcagg taatttattc tttgggagag cactgtaatc atatatcaat   720
cgtattttna aagtgacttt attatttaat gtcaagaagt nccttggttn tgaaagtagt   780
ttttttaat taaaccgcca ncagatcnat                                      810
```

```
        <210> 3966
        <211> 857
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(857)
        <223> n = A,T,C or G


        <400> 3966
ggnnnccctt ttgaaacccc ntaaagctac ntgntctttt tgcaggatcc catcgattcg    60
gaagaaactc ccatgaagtt caaaggagca gcagatatgc agggtgcatc tagaaatgaa   120
aatctgaccc tttgtccctc tccttttcat ctctcttttg tacaggcctt ctttccttct   180
gtgcaaacag acccttgtca tagtcatagt ccatcacgct gttaaatgat ttccagcact   240
gctctatgat gtgctgtaat ttcagggagt agtttatttt ctacaacatg ttgctctgta   300
gcacgtgtat ttcactactg agtggtagtt ctaatggaca tattcttaac aaaatagtcc   360
cagcattaca gaatactagg ttagaataca tacccaaata aataaaatgt tacagacaca   420
gtccaagctc gttctctcct gacttncttt ctcccgctac agaggaaaat taccccgaat   480
tggcacatct cattcctatg cactcttgtt aaaaataact tatagtttgc ttctgaattt   540
atagaaatgg gcactataat ccatatgtct tttgaatctt tatacatttg atttggagaa   600
agtatttatg tttgatgcca tgtggcttta ggncatttat tttaattttg gttatttttt   660
tgagatgaaa gtctcggtct ggcacccagg ctnggagtgc aaatgggcac atgggaacct   720
ttgncctccn tggggttcna agcaanttct ggtcttcata cctgtaantc ccancacctt   780
ttaaagaagg cccnanggcg ngggggaaggg atcaatttgn gcccccttgg aattttggag   840
gaccnagccc tggggct                                                  857
```

```
        <210> 3967
```

```
        <211> 814
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(814)
        <223> n = A,T,C or G

        <400> 3967
ttccatcaag ctcttgttct ttttgcagga tccctcgatt cgcttcagac ctgtgtttaa     60
attttagctc tgtgatctgg tagcttttga ccttgagtaa attgcctaat gttactcagt    120
cttagtttcc tcatcagaaa agtggtaagg atgataaagt agttcataaa cattcattga    180
gcactaagta tttgcaagat actggaggta taaagatgaa taaaacactg ttcatgtctt    240
tgaagacttc ctagtcaagt ggtgaaatta aacataaaaa caggacattt taatattacg    300
tgcaaagcac atagtgggca atgtgttggt ttgaagaagg atttttgagg aagtggaagc    360
tgaactgcag tttgtagaat aagtaagagt ttagtcaggc aaagcagata gacaaggtca    420
ttttgggtgg agcgattaat ataggcaaag tcatgcaatc atgaaatagc atgatatgta    480
tgtgaaataa gagtactttt gcattgtagg ggcattaaac aggtgagcag tcactggaga    540
tgagattgga atggtgggca gggcctaagt ccctgagctg caatgtcatt gaagctgagg    600
acattgagaa tttaaagaga tagagtgagt ctgnggcctt tgctcataac tctcattttg    660
aaagactaat gtgtgacatn ccacatttta ggggtaggaa ggcntactgg aaggattaac    720
ccaaagttgg ntagaaactg ggagaaagan naacnccctc aaaaagttgc ttgagagcta    780
aattaattga atgtggcttg ggaaggatca attt                                814

        <210> 3968
        <211> 825
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(825)
        <223> n = A,T,C or G

        <400> 3968
gattcccata caagctcttg ttcttttttgc aggatcccat cgattcgaat tcggcacgag     60
ggaaaagtaa agagatcaaa atgatttttat atgtattttt tttgtactca gagaattaca    120
ttttcactac ccccgcctgt ctcagggaat agcctttgat aagaatccca tggagatctc    180
tggaactcta ttacagtgtg ttcagatttg ttagttcata tgtaaatttc agagctagag    240
cttcaaaact agagtattgt aatctcagga acataagatt atccaagaag cctgaacctt    300
gctctttttca tgataaatga catccaaatt tcctttgtct aggagataag catagatccc    360
ttttatcatg cttctctgag attttcacag aacaaccctg caatttgatt ttgtttgata    420
attttgcttt ttggctttttc agtgaggact ctattttcca ttggaactga ctcctttggg    480
gataataagc tttcacttaa aagaacattc cattagatag ttctaacttc aatgaaccta    540
aaagtggctt cttaatttga ataatctgga taacttttgc aaatgggtca aaacagcaca    600
agtattatac atcaaataaa aagttcatta caatatttgt actcataaag tcaaaatctg    660
accctggttc gctttgtgcc tctgtcagcc tacttacagg ggataaaagg tncacaccaa    720
gtccagtggt tgccaangga gctttggtta ttagaaaaga agcctgggtc cccctcagtt    780
ctatgccggt ggggggggggc ccgggtnggn ancatggccg ncatg                   825

        <210> 3969
        <211> 877
        <212> DNA
        <213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(877)
<223> n = A,T,C or G

     <400> 3969
ggncntttaa accttttgtac aagcccttgt ncttttttgca ggatccctcg attcgaattc          60
ggcacgaggc aacaaaagca tacaagatct tttttnagga agtggaggag ctgcagggac          120
cgaccgggag ctttcccagt aagcatcagt tcanaaacaa atttaagtaa agaaatggaa          180
tctgtaatga aagatataaa aaataccact cagaagaaat atagagacta tagcaagacc          240
ccgggctcac cagacaatga tttttctcttt atgtactctg ttgctagaac caatttagaa          300
cttgaattga ttcatcgagg aggcaatttg tgttcaggtg gtgcaagcac agctggcaaa          360
aggtcttgtt taaatcagct gtttcatgta ttagccttgc acatgcggct ttatagcatt          420
gactctgagt ataatccctg gagaaagctc acccagttag aagagatgaa tccacagctg          480
ggatatgaag aacaacagcc tgaggttcca attctttatc atgatgtaca tcccttttgc          540
tcatccagat cttaatgatg ccacaaccct tacgcaaaag accactttac ctgcattgtg          600
aaggtctttt taccctactg tacacacagg ctcttgcagc actctcaagt taaaatgcag          660
ccgaagaaaa tagggtcagc cctgggaaac accccgggag cctcttcaaa aaagaagtac          720
cattgtggat ggccagaaaa agtctttacc gaaagtattt aacttggngg ccttttggtg          780
gaataaaggt ggnaacctat ttttaaaaag ggaaaagttt tttccccntg gaaggaaang          840
gnaccttcag gggaatggtg gccaatnggg tttaacc                                 877


     <210> 3970
     <211> 912
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (1)...(912)
     <223> n = A,T,C or G

     <400> 3970
ngncttgnnc cttgaaaccc ccgncntggc ggacccatcg antcgaattc ggcacgaggg          60
tcancaatan gcganncttt tnnatccngg cgagagacac gccaataggg ggnatttaga          120
nacgtggggc tccannnatt ttctctgggg acaagctcat tccttcctca ttttctcaga          180
actttggtgt taacagccng ttgcctaatt tgtaggggct gactttgact nagcagatgc        : 240
cttctgnaga tggaggaaat aacgacccag cnccttttaa ttcacccaag ctgaaaccaa          300
atgcgaaccc ngagcagcct ggattcattg acgagccagc accantgaac ccacccaaac          360
caaagccaaa tccaaaaccc caagccggcc tgaattccac cgggggatga cttttgatct          420
ccacagangg nntcttcatg gggaacnaaa aacaggggan gntgcactcg attnctggaa          480
gtggtatgcn tcaggagcna ccgtgnantg tantncancc cactcntcaa atncataaac          540
tntgggagan tccttcaatt cactgggcaa anccntatgc cntaanngct anncnctgan          600
gggaggctcn tncantgcaa aaanccaaan atccaacctn gggaagaatt caagtcaaag          660
acccaanaag gaggccnggc aatcaagnct ccttggncac cgaatcnttn acangncann          720
gcttacccng gganggcacc ntatggcnga anctctgtgg ggggcaaacc ctcgtgggga          780
cctnccntgg nttccccagg gggtgcncac anatattang cacctnantn ntttanctgc          840
ccantgngcg tntnttatgg aanaaaagna aatcaaaaca tgnggganag ggaaacccan          900
naaaaaaaaa cc                                                             912


     <210> 3971
     <211> 816
     <212> DNA
     <213> Homo sapiens

     <220>
```

```
      <221> misc_feature
      <222> (1)...(816)
      <223> n = A,T,C or G

         <400> 3971
ttgattccat cagctcttgt tcttttttgca ggatcccatc gattcgctac gaccccatca      60
atttggccta taacttgaaa gagaattcta tcctgctagc taaagttgct cggagtgacc     120
agtgagattg ttccacagca tgtatattat aaaacaaata ttaggcagat agcttataat     180
gactttttaa tatttatttta ttcatttatt ttataataag cagacattgg gacaagaaac     240
ttctgaaaat atttatagtt ctctgaaaga aggtgtcttc ccttccttct gggagttaag     300
gaatgttttg acaaggaaga aagatgggtg aataagagtg tattgtatta ataactaaca     360
ttaattgaat atagaatatg tactaggggc tgtaaaaagc tctttatatt ggattatggt     420
atttaatcct caaccttatg agcctgatgc tattaatgcc tctattttat aaatgaagaa     480
attatgtcac agaaggttaa ataatttatt caagggcaac ttgccaagtg agcattaaac     540
ccccagagtg atcctctccc tangtgcaga gcaaagttnc aaggggcttg gtatgcacca     600
gtctcagatg attctattgn gggtggctgc cagaatcaag cttgctgtga aaacactgat     660
tggaagaaaa aatagtcccc accagctatn gctatnggtn cctgtgcatg aacctgagaa     720
gaaagccaag ccgccntaaa agatgtagag tccaaacctt ttgctgcagc ttccntggaa     780
tacgggcatn tgcacccaaa acatggntta aggggg                                 816


         <210> 3972
         <211> 817
         <212> DNA
         <213> Homo sapiens


         <220>
         <221> misc_feature
         <222> (1)...(817)
         <223> n = A,T,C or G

         <400> 3972
attcanatac aagctcttgt tcttttttgca ggatcccatc gattcgaatt cggcacgaga      60
ggaagagtat ggctcctgaa cctacacaga gctctacagt agtcgcatct gcccagcaag     120
tgaagacaac gcaaacttca aatgctcctg atgtaaatga tgcaattgtg aaactattca     180
atgattttga tgttaaggaa acctcccatc atttagtgat ttctcatcta gatctacaca     240
tatgtgatga cattcatgct aaagaaaaag agtcaaacag acgtattact ggaggggcaa     300
tgcaactctc ttttacacag ctaactatag attattatcc ttatcataaa gcaggagata     360
gttgtaatca ttggatgtat tttagtgatg caaccaaaac aaaaaatgga tgggccaatg     420
agttattgca tgaatttgag tgcaacgttg aaatgcttaa acaggctgtg aaggatcata     480
atgtangttc acctcctaaa tccccaacac atgcctnttc ccagcacaca caaacagaga     540
aggactccct ctgaaaggga catgcagaac accttcagta ttatctcaac aatcaaaagc     600
taagctaatg tctagttctg gtgtgggtag acttgcagat ttcaatatat cccaggtctt     660
ntacagcngg acaatgtcgn tctttccccc aaaaaccatg atttgctgca ataaaaaatn     720
cctttntntt tccacaagaa aaggtcagct gtctttttta gaattcacca gaatntttcc     780
tattccaaat gggaaaggat ttttccaant tccatct                                817
```

```
         <210> 3973
         <211> 804
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(804)
         <223> n = A,T,C or G
```

<400> 3973
```
attcnaatca gctcttgttc ttttttgcagg atcccatcga ttcgaattcg gcacgagcaa    60
agccatatac tggtgaatat atactgggtc aagcaccaca tgttagtttt ggaatgtgta   120
tttcccagcg aatagaattt actgctccaa aaagcttttt tggcataaat cacaatactt   180
acagaaatat aattgtatca ttgaaaaaaa caaagctcac cttcctaatg atacatttca   240
caaactgcac attagggcaa tttcttactt atgaggaggt caaagaaata ctctgtcaat   300
atagtataac tgcttatttc aaattgtatc taggaatgaa taactactat tatttaaagt   360
actactgaat tttgaggaac tgatcaaaga attagtatta ttaataaaat tgtactattt   420
gcaatatatt tgccttggca caaatgcaga gttaaaaaca taaaattata aaaaaaaata   480
atagtgattg gttgttacta ctttaaaatc ctactaattt ccattagcac taaatcaaac   540
agcacttatc tgttgtatac aagtaaaatt ttgaaagact cngacacaaa atgaaangct   600
tttaaaaat gtctttgcca taacanggta tatgacccct tgctaattgg tatatttcct    660
tangggcact ttgaggctct ttcaaaagac atctgcgcaa ttagggctta aattagaagt   720
agaaatattt tggcngatnt ttactatntc acaaaaaggc ctacctactg gntttataat   780
aaaanccaat tctcaagtnt tctn                                           804
```

<210> 3974
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 3974
```
ttttgaaacc catcanctct tgttcttttt gcaggatccc tcgattcgtc cacacctcac    60
gttcagtcac agccctcagc tatcttccct ccggccactg ggctacctct ccttcagtcc   120
cagaagacaa gtctcaccaa cccagggagt caaggaccag caaaccaaag tggataatgg   180
acttttcat tcctgttttt cttggcagga gagaagcaag gccactaaaa gaggagatgg   240
tggagacgga ggctcagcag tggtcttgag gggtaaagga cttagatgcc cagatgaaga   300
gggaaagctg acatctgcag ggaacccact ttgaggctga ggccatggca ggacagctgc   360
tgtggggtgc agaggcagaa gatgaaattc ttagtgatcc agaggttctt gcagccatgc   420
aggatccaga agttatggtg gctttccagg atgtggctca gaacccagca aatatgtcaa   480
aataccagag caacccaaag gttatgaatc tcatcagtaa attgtcagcc aaatttggan   540
gtcaagcgta atgtccttct gataaataaa gcccttgctg aaggaaaagc acctagatca   600
ccttatggat gtcgcaataa tacaaaccag tgtacctctg ccttntatca aganacttgg   660
gtgctttgaa nataatcctc cccttttccc caaatgcagc tgaacattta cagtggggttg   720
ccttagggat tcattcaata tgtttcctac taggaatcca actttaacat ttttaatctc   780
aaatattat                                                          789
```

<210> 3975
<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(871)
<223> n = A,T,C or G

<400> 3975
```
ttcccataca actacttgtt cttttttgcag gatcccatcg attcgaattc ggcacgaggt    60
tgggcttaga agatggggct gagtagggag agagggtgct gcctgggagc tgagccatac   120
aagtgactgc acaggttgac atggaggatt aggtggagtg aggcttccaa gcagggaggg   180
```

1229

```
gaatgatggt ggggcccaaa tgaggagcca catcgaagta gatgagagaa tagaaggtga    240
agtaagggct ggcgttgggt aggggg agac gccagcagtg atgctgatgc ccaggctgta    300
ggtgtatagg tgccatccac ctggtaaaga gagagctgta gcgcaggaat gaggttgcac    360
atgtagaaga agggaaggat acaggggaga gaagtgtctt ctagtcctaa aaaacagcct    420
gtgggctggc atggtggaac aaacctgtaa gtcccaacac ttcgggaggt caaggtaaga    480
ggatcatctg cttgacccag gagttcaaga acagcctagg caacatagta agatcccatn    540
cctacagaaa aattaagaaa ttagcccgga tgtcgtggca cacaccttgt tgtctcanct    600
tacttgggga ggcccgatct tttggagccc cnggg aaggt caaagtcttc caatgaccnc    660
cattgatctt tgcccacttg gacttttaaa ccctggggcc aacttgacnt gnccaaccat    720
tgttntttna aaaaaaaaaa aannnnnnnnn naacttcgaa gcccttttta aaaacttttt    780
agtngagttc cttatttacc cttanatccc caacccttgg ttnaggatcc catttgattg    840
aattttggga ncaaaacccc caacntttgg a                                   871
```

```
        <210> 3976
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 3976
naaanaaaac ncttttnaaa ctacccggtc ttttt gcagg atcccatcga ttcgaattcg     60
gcacgaggcc taaagtaact gaagatccat ctnttcgtat acgtgcaagt cacaagggat    120
gcgatggctt ggcttgggct cagaggcctg acactagtta ttataaaatg tactttcagc    180
agtcttctgg gacttgacta ccttgtggat tgtactagaa atgtcaggta tggtgactgc    240
tctgcccacc actctaaatg aaactgtccc cccacagtct ctgttgccca ggtgtcctat    300
gtccctcgtc acagctgaat ggaccaaggc agatgtgcta tcaaggacag ccaatcacaa    360
gtgagcagta atctctgata tgctttggtg caaaaagctg agttgagtca acagttattt    420
aaatttgtgt gcagtcactt ccgtttgctg gggaatggcg tggtgaggga agattgatat    480
aagttacctc atatctgggt tacatggata tatatcctac agttgcttaa aatacatttc    540
angattcttt ggtttgcagc atgtgttttg gaaaggacag ggagaggaaa ttaagaagtg    600
gagtgaaatc caaggaccct tcacctgccc aaaaagtgac gggcttctgg tgtcaancag    660
gtgacagctg gcaaggcttt gccctgangg tcgacagaca aaacaagcan tgcacatagg    720
gaagacacaa gcaaaggttg agctcnttgc catatanagc tgcatgnaaa agcttaacn    779
```

```
        <210> 3977
        <211> 1005
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1005)
        <223> n = A,T,C or G

        <400> 3977
gatcttctgt catttgcttt tctgagtttt ggccctcctg tcaatctatc tggtcgggtt     60
tactttttctn catcttcaag caggggtgtg tcttcaagca tgcatgtctg tgntttgatt    120
cggaattgat aagttataat agaagcatga gctgctggga aaatatacct cctgatttgt    180
gtggntttat ttgttcatct tgcaggtttt gagtagtttt tggtggatgt gttgggagat    240
ttnaatgtta cttanctggt attatctcta ctactttggg ggtcaatatt gaattttttc    300
actgaatccc agcccaacac tntntttttt tttggcncta attncntcga aaaaaaatgg    360
ngtttggatt taagaataaa gangaaaagt nntggttttt ttagccaggg ttcttgtcct    420
```

●

```
ancaggaaaa aggctttttgg ttccttaaga aaccccatan ccaatttggg gaaatttttta    480
aaatttnaaa tncaaaaagg cccttttatat ttattgggaa aaccatcctt ggccttaata    540
attnaattcc nggcnaaatc ctgggaaaat gggaaaaagt ttaggaattg gaaaaaaaaa    600
aaaagnaccc nccgggntnc ccaaccaaat aaaaatacccc ccnccccaaa aaaaccangg    660
ccatagaccc cacctctggn aaatttcnaa aangggggcc tttaattaat aanggggggg    720
naaaaaaanat ttttcagncc ctnttggaaa cccntttggg ggnggcccgg natttaccng    780
tnanaaatnc ccccanccct ggaattaagg aatncatttn gggtgganan ttngggncca    840
aaacccccna acttnggaaa tgccaaaggg gnaaaaaaaa angcctttaa tttgnggnaa    900
aaattggggg agnccaattg gctttaatttt gggnaaccnt ttataaagcc cgcanttaaa    960
acaaggttaa cncncccccc aatngccatt ccatttaaag gntcc                    1005
```

        <210> 3978
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G

        <400> 3978

```
tttnnnnnnn nttnnnnnnn ttttgaatnt gaaanccttn anacaagcta cttgttcttt     60
ttgcaggatc ccatcgattc gaattcggca cgagatataa aagcgtttag aanaagaagc    120
aaaagagacc cgcacattcc acccagggag ggcatggaga aagaacagtg agtggaagga    180
aaacaggtct gtgctgcctc aagcatagag gtctttctat ggcaggcacc cggggcagcc    240
aaaaggacac tgtccacagc caggccagag tctanctgtn acacacatan gcaggtgtgt    300
tgcatacctc aagcatgcgt tcacgagttg tnatacttaa gngaatttgt tttttttacag    360
naacaaccta tagttccatt taaaaaggga tngttatttta attttaatta aaacatatag    420
tagntgtttn ctcacttttgg tttatgtatc cattttcaac agctttgttg aggtgttgtt    480
tacacaccct caaattcact ngttttaagc atacaatnta ataatttta gtaaattcag    540
aattgcgcaa acatcacaat ctantaatag aaatttttctt tcactccaaa agaaacctgt    600
gctctattta gcaactccct gttcccgccc agtaagccca tatgtgggca aaagttgact    660
ganacttgtg attttttaatt gaaatatcac aaaacttatt gcattttttt tttgagacgg    720
agtcttgctc tgtcgnccccc agntgngggg aagggggctnc ntnccccccnn ctnngngnnn    780
ggnggnccnt                                                            790
```

        <210> 3979
        <211> 462
        <212> DNA
        <213> Homo sapiens

        <400> 3979

```
taacatcagc tcttgttcttt tttgcaggat ccctcgattc gaattcggca cgagcctaga     60
cacctcgtat tggggaaagt cttaagtggt tggagcccat gacatttggg tatgatgact    120
agatttttttg tacagctgag cctcaataaa ctcatgcgta cacttgtgag aactcaaatc    180
agaaatgggc acagaaactg gattacattt ctgtgctctg aaatcccaca gagttcataa    240
aaatacacat gtatacacaa aagcaacaaa tgtaagttac attttattat ggaaattgat    300
attagtgaaa ttgacagctt tctatggtta aagattatcc tgtaggtgag ccaaggttct    360
ctgttttttct gatttctcttt attcattccc tataatttca gcattttcgt tctcattgac    420
ttaatattcc tgagggtatt attgtgaatg tctttgtttta tg                      462
```

        <210> 3980
        <211> 475
        <212> DNA
        <213> Homo sapiens

1231

```
        <220>
        <221> misc_feature
        <222> (1)...(475)
        <223> n = A,T,C or G


        <400> 3980
acntngatca agctacttgt tcttttttgca ggatcccatc gattcgaatt cggcacgaga      60
tctttaaaga aagcatccac agtttctgtg ccatttcatt gacaggtttt attttaaatg     120
gtagaccatc caacagaggg atagggagct gcagcggtgt gctgcttaga ctcaaaaaga     180
gaantctcgc tgactcatgc aggttgaggt tttgtctcat tcccaggaat gcttggactc     240
ccagaggcag tgaagccaca cattttagca gaattacctc agcagtgtgg tgcatgatca     300
tgaacttcaa gtttacctac aaggaagatt tcattgtcct tctgtcacta gccaaacact     360
tcacagccta nactcctgga ctacataaag gcccatacaa aagtgtttgt gtgcatttgt     420
gtatgtgtga gtgtgtgtgt ttgcagtggg agaggacact tatctttgct ctccc         475
```

```
        <210> 3981
        <211> 460
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(460)
        <223> n = A,T,C or G


        <400> 3981
ttcattactc ttgttctttt tgcaggatcc ctcgattcga attcggcacg aggcggagct      60
tgcagtgagc agagatcgca ccactgcact ccagcctggg tgacagagcg agactcctct     120
cgaaacaaac acaaaaaaaa gtttcaaaga cagaaagtgg aagttacaag gctttttaag     180
gccttatctt ggaagtcaca gcancattta ttttgcattc cattggtcaa actcaagtcc     240
taacaggcct aaggggggtca agtaaaaggt gggactcaca ggaagttcca tatacattac     300
agcttcactt gcagtacaga ggggaaggga aatcctactg ggacagaacc tcaagtagca     360
tacctggttg tatattgtgc ctggaagaaa agatggccag aagtatagat ctatagatgg     420
atggtgattg atggatggtt tgactggatg gtcagggatt                           460
```

```
        <210> 3982
        <211> 463
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(463)
        <223> n = A,T,C or G


        <400> 3982
cttcgtttga ntcccgttcc aangcaggag cccatcgatt cgaattcggc acgagacttt      60
gcatttgctc gttttgttca acttttcctt ccttctctgc ctgccaaaga aactgtaata     120
actgtaataa ttnttatgac tttctcttca atgacagtna tcttcctttta ccctaattcc     180
ttccctcctc atccttcaaa tccccttcct catcattcaa agnctaactc aagctagcct     240
ttcctcctta ttttccccctt atctttccaa tccgtatgga gatttctcac ctttcctgnt     300
ngaggttgcg ccagaatggc gaggattaaa ttgtaattgc tntntaatag actgntgtgt     360
cngcccacta gatttcaagc tctctaaagg tnaaagctnt ttctnacatc anaactngag     420
tcctttatgg annntnncac atcngaaggn cnnnanttat ttg                       463
```

```
        <210> 3983
```

```
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 3983
tattcatcaa ctacttgttc tttttgcagg atccctcgat tcgaattcgg cacgagtcta      60
gctcagggtc tctcatgagg tttcagttat gatgttggct tgtactgtgt cgtctgaagc     120
ctggctggct gaagcatctg cttccaactc actcatgtgg ccatttccca gagcccagtc     180
cttactggct ttttgccagg gaggccttaa tttcttacat atgggcctct ccatagggca     240
gcatgcactt tgcagctggt ctnccttaca gtgaatgatc caagagagta tgagagagtg     300
tgccacaatg gaagccaggt atctgttata acctcatctt agaaatgata taacatcact     360
ctgccatatt ttgtcagttg cacagacccc tggtacagtg tgggangtga caacacagga     420
tattaatacc aggangcagg aatcattggg accgtct                              457


<210> 3984
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

<400> 3984
ttccatttag ctacttgttc tttttgcagg atcccatcga ttcgctacga tgacccccte      60
ttcaggctgc catttggtag agggnnaggg agtggctagc catcgagtna gaccatgctt     120
tgcacccacc atcagcaagg ctcaagatag tgcctggcgt gctcagaata agccttccct     180
tctgcaggga tctcatctcc atctgtggga accaggtntg aggctctgaa cagntcctgc     240
tctggcaaga cacctccaca tctttctccc tcaaacattc atagcctctc tgccattttа     300
tgcttctggt acaccagaaa taatatcaca atgccctgca tcactgaccc ggctggataa     360
ttcctttttca atatgtcctn cttgcangca naagatcttg ccanaagact gagaacccag     420
ncttccaaga tggccacagc tgcaccaaag atcacaangt aattg                     465


<210> 3985
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 3985
attcatcagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc ncgagattcc      60
agcatccatc acagataaca gacagcacta ttcatgaaat cccaacaana acacacgcca     120
agttcccata tacaggtgca nggcatgctt catttaccat tgaatttgat gacagtaccc     180
catggaaggt nactattaga gaccatgtga canagtttac ttctgatcan cgccacnagt     240
ccaanaagnc ttctcctgga actcaagact tgctggggat tcaaacanga atgatggcac     300
ccgaanacaa anttnctgac tggctagcac aaaacaaccc tcctcaaatg ctatgggaaa     360
```

```
gaacagaana tgattctaaa ngcattaaaa gtgatgttnc agtgtacttg aaaaggttga    420
aaggaaatna acatgatgat ggtacgcaaa gtgattcana gac                      463
```

```
        <210> 3986
        <211> 464
        <212> DNA
        <213> Homo sapiens


        <400> 3986
cgtcattcag ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagatca    60
tctagaatcc cagcagtttc cttaagttgc ctactgtcaa ttttccattt ctctcgtcca   120
aattcacatg gagacatcat ttttacacac ttgtaatcaa ttgtaggcgg agtctggggg   180
tcctagcact tcccctaaca tcatctcatg atacttagac ttttaaagaa cccttgagta   240
ggccctgtga taaaggatgt tagtgaaaaa aataatgaga aacagggact ggcttagag    300
aaagaagcct gcgtcagatc agtaggcccc cctggggctg tggaagcatg cagaaggtcc   360
cttaggaagt gatgttggaa atggccttgg gccagccacg ttatttctct ggacctcagg   420
tcacccatct ctgaaatggg agcattgaac tggctgatcc ctga                    464
```

```
        <210> 3987
        <211> 458
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(458)
        <223> n = A,T,C or G


        <400> 3987
nccttcntct cttgttcttt ttgcaggatc cctcgattcg aattcggcac gagggaaaac    60
ggaaaaaact caagagtgan aactaagtgg tgtgtgaaaa tgtcattgtg cctgggtggt   120
tgaagtcatt aaatcagaga gccaaaantn cctancagag tggancgaaa aangaccggn   180
cagacagtgn gaataatata tcactgatgt aaaancaact catatgatgc ttgtaaatgt   240
ggaaactata actntccctg gaggggtata nagatgagtt caattaggag ggaaactgag   300
tgacaggagg acaaaattgg aagggagatt tttactgtat aactttgtat cttttaaatt   360
ttgttccagg cgcatttatc atgtattcaa tgcatttaaa cagaagagga gaaggacggc   420
ccatangata taactattgg ttaaaaccat cttgtctn                          458
```

```
        <210> 3988
        <211> 457
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(457)
        <223> n = A,T,C or G


        <400> 3988
gnaanncctt tncccnnnnn ttttgcagga tcccatcgat tcgaattcgg cacgaggcaa    60
tatgtagttt gccataaaan gaatgcatgt cttattcttt tccatagttc ttcattaatg   120
agacttgtag ccaagaatag aattggaaga tnccatctcc tggggtagtc aaaaaaaatc   180
tccttgggta atactggaan canctaattt tcctaatttg gttggtccct cttaataata   240
aaatnctatg ggaatnactc tttagtagtt ggcctggttg gaagctctgg gaggagcaaa   300
gcancctctc caggtgactg gctgactttc cacctgaagg agtattactg caagaattac   360
aaagcaggta ggactctggc ttttgatgag caaatggntg aaaagtgcct ccttcccagt   420
```

```
cttcctttttg ccttcattttt agtttaaagc ttgaagt                            457
```

```
        <210> 3989
        <211> 471
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(471)
        <223> n = A,T,C or G

        <400> 3989
aagnnacttn tttgaaaccc ccngntcttt ttgcaggatc ccatcgattc gggcacatct      60
tctactagct aacttggtcc tttttttttna aaaaataaaa cccttgcgta gttctccctc    120
aggggatgcc taggattttg gatgagaacg tattggctca atgtgagtgg ggcagtggca    180
ggcatccatt tcccttcccc ccattctgnc acaggtgccc atctgcctgg cagtanaatc    240
cantgctcat gttggtgact ccagagcccc ttccttgctg gtgcctgcct gangcattgg    300
tgtatgtggc gtcctgggaa ggggattttta gttnaatgaa tgatacgtac ctcttgcttt    360
cctgggntnt gcgagcttta atcccttgat ngtctgntgg gaggcttgan agacanactg    420
ggaactgtgt nagaaagcat gactcgtatn ncgattgnan ngaaatnanc t            471
```

```
        <210> 3990
        <211> 466
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(466)
        <223> n = A,T,C or G

        <400> 3990
tgnttngant cagctcttgt tcttttttgca ggatcccatc cgattcggaa taagtgaatt      60
ggaagatagc tacacagaat gaagcataga agggaagaga tggaaataca cagagctaga    120
gggtaacaca ttgatgctac agacagaaca cctaacatac ttctggagtt ctgtaagatt    180
agaggagaga aaatagagca agagaaatgt tgcaaggatt tttccaaaag gtataaaatg    240
tatccctgaa tatattttta gtaatctcaa cttcaggcat gataactaaa accaaattaa    300
cataaaataa tacaggacgc aaaagaccaa tagaaaatct gaaaagtagc tagaggtaga    360
agatagagta tgttgaaaag aactgtattc taaatacaac ctgattttaa cagaaaacat    420
ggaagcagga attcaatgga ttaatgggaa tcatgtcttc aatgtg                  466
```

```
        <210> 3991
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 3991
ggngnntnnn cccttttgaan cccttaatac aagctacttg ttcttttttgc aggatcccat      60
cgattcgaca gggtagtgca tgtgacggtg tccaagacgc acagcagatt ttcattcaca    120
aaaaaatctg accacaagag ctaaacggaa ataccttccg ctgtccttcc caagtcacag    180
```

```
agcaaacacc tcagttccca ggggtccgca tcagttctgg tggaggcggt gactgtgagc    240
gtgaccagct gggctaattc gtcctgacat ttagttggga cagctatagt ttcctacctc    300
tatgaccaga gagtgaagcg tttcactgaa gaactgtggc cggcgtctcc aggaaaggaa    360
ggagcctcgc tttctccagg gcaggggcag cgtggggcgg ggcaggccgg gtgtgtctgt    420
ggggagtggg cgcgtgctca cactctttaa gctgcgactg cttcctttag gacagaatga    480
agttcttcga ggaggccgat gaagacagaa tatggataag gccaaaccta cacaaaatcc    540
ttctacatct tcatatcaaa acatgttaaa cataaacctn caaataccta cagggataca    600
agcacagggc ttnctaaaca ggcgggatat gcaacctcgt tctatcccan gcccacacag    660
aaagtgttgg gggaatcact gaaggaagga ngagaaagaa ctcagaagaa ccataagaga    720
gcaagacatg gacaggaaac caatggccca cgccccgcan gaagacttaa aactncag      778
```

```
        <210> 3992
        <211> 905
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(905)
        <223> n = A,T,C or G

        <400> 3992
ttattccatc aagctcttgt tcttttttgca ggatcccatc gattcgcctc catgttatta    60
gtaattctgt attccatttt gttaacgcct ggtagatgta acctgctagg aggctaactt    120
tatacttatt taaaagctct tattttgtgg tcattaaaat ggcaatttat gtgcagcact    180
ttattgcagc aggaagcagg tgtgggttgg ttgtaaagct ctttgctaat cttaaaaagt    240
aatgggtgat ttaaaaagaa aaaggaaaa aaatctttgg ctgaatatgt tcattgcttg    300
tatttttaaa acaacagaat ttccagtatg aaacaggctg aaagagcagg aagaaatgtt    360
ctttgtataa taatgggaag tttggaatat aaaagtttat atattattta tctattggag    420
aactggtgta caggaggaac attttcttac tgtgttgctg ttttccatca tgtgttatcc    480
taagagttgg ggttttttaa aatctgtttc accaggggaa aataaaagca tccctaatgt    540
tcttcctcta aaaaacccan nnnaannnnn nnnnnnnnnn nnnnnnnnnn ncctcggaga    600
gagaaaanaa cctttctccg agccctntan aacctatagg ggagtccgtn ttaccgtaga    660
atccccnacn ttgaataaag aatnccattt gggttgaagt tttngggacc aaaacccccc    720
aaacntnnga aattgccnnn tggaaaaaaa aaatgccttt ttnttttggn ggnaaaaatt    780
ttgggggaaa ggcctttttn ggctttttan ttttgngaaa nccccttttt ttaaagcctg    840
gccnaattaa aacccaaggt tttaacccaa nccaanccca atttggccnt tttccantt    900
tttnt                                                                905
```

```
        <210> 3993
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G

        <400> 3993
gaancccttt tgaaaanctt anatacaagc tacttgttct ttttgcagga tcccatcgat    60
tcgaattcgg cacgagatat tattttaatt ttatataata gcatgtactg ctttacacat    120
ttttataata agtcaccaca gtattacact ataactacgt tataagtgca atagatatgg    180
gtncaataaa taaaaatagt tgaggagaaa aaacctttag accattcatt ataacgtgcc    240
anactgataa ggggaaaacc ccccatgtca catgagagaa ataaaaccca ctgccatttc    300
tctgtgcctg ggtaactgag ttgattgtat tcaccagaag gttcttgttc tgccttttag    360
```

```
acctgcctgg gtcatttccc tgttcacacc ccagtgacta agctgaagag atttatcatg    420
atgcctgctc ttttctgttg gccttggtca cttccatgtg catgagcatc tccatccaaa    480
agtggccttc ttctctagcc ccgatgggat gtcagtngcc catgtttcta atagaagacc    540
catgccaaag ccactttgac aactctccac tcgcaagaat gctgtcggcc tntagctaaa    600
ctgttatggt ccactcaacg ctgtacactg tgtggccact ttccttccgc tttctgtcat    660
tgcagggang ttgtaaggca acacccangg ggcttgacct cttcaaggac tttgccagca    720
ncaaaaaccc aaacttgggt cacccctggc ttaaaaaccc acanccccag caanttncna    780
gctttnaatg                                                           790
```

        <210> 3994
        <211> 898
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(898)
        <223> n = A,T,C or G

        <400> 3994

```
tttaattnca atacagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac    60
gaggacactt tcattgttgt gccagctggt tgaaattaaa actctgatat tacttttttt   120
gaggattttt attttgtttt ttgcttaaac atatagtttg tctagaagtt taaaaagcta   180
aaagttaaaa atggtgtaat tatgaaaatc taacactcaa gatagtttct aaaaggaaat   240
cagtagttaa ggatacctga tttcaaaata tttaaagcat aacctaactg atggtaggat   300
gattgtatct tgaatatgtg gtagggccac atctattgta ggaaaacctt gcttttatca   360
tctgtgtgta aagggcttaa taaggagaag aggccttttg actgatttgt gagtataaat   420
gcatttgctg tttcatttca aaaatgttgt ggaggaaaag agtacattta acttgtataa   480
gagaatattt gtactcctgt ccaggctgca ggacctttct tcgagagctt tgcacacttg   540
acttgaacca catttttctga tccctttact ttgtttttaga agcaccactg aaaaatctcg   600
ttgtttttaaa gtncaatttg taaatatttc aaaaaanann aatnnnttnn nnnnnnctcg   660
gagcctctnn aacctttagt ggagtccgta tttaccgtag natcccnaaa ccatggatta   720
agaataccat ttggggttgga agttttnggg ccaaaacccn caaacctttg gaaatgccct   780
ngggaaaaaa aaaaaaggcc ttttaatttt tnggggggaaa aaatttttgggg ggaatggcct   840
attttggctt ttttaantttt tgggttaaac ccccttttnt ntaagggcct gngcnaan     898
```

        <210> 3995
        <211> 833
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(833)
        <223> n = A,T,C or G

        <400> 3995

```
gncntttna taccatcanc tcttgttctt tttgcaggat ccctcgattc gaattcggca    60
cgagaatgga tgaattttttg tttgggttga agaatctctc tgagaagttg acacgtgggg   120
gcaatggttt gtttctcttg tatttctgaa gttgcaaata atcatgtaag cagttcaacc   180
aggagtttac accaaacttt taataggcga tatatcatta tttttttttcc cattggtttg   240
gataacatcc actttaactg gcagttagtc atacttagct attttttgtta aagcaggtga   300
tttattgtta ttttatattt atgacatgat taataagtga atatggaaga ttttacattg   360
acttagggga tcaaagtttt cattatatta acacctttaa ttgccatgag tttttctattt   420
ctagcatgca tattttgtgt tcattcaagt gaagaaaaca gtctttgtgt ttctcaggta   480
ctgcataagc cgaccacagt ataagacttc ttgtggcatc tcttcattaa tttcttgttg   540
```

```
gaatttctta tacagcacaa tgggagctgg aaaccttccc ctattaccca agaagaagct    600
ttacatattc tgggctttca acctccattt gaagatatta aggtttggtc ctttcacggg    660
gaatcaacac ttatgangnt ggtttaagac aaattaaatg accccttccc atgtnaaaaa    720
ggatgctctt atggttctat attaaaccct cattggggaa gaataaaaac caccagggag    780
aaaacctgct tcanggggnc cctgtcnaaa gttaaccccg ngggtttgga aan           833
```

```
        <210> 3996
        <211> 838
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(838)
        <223> n = A,T,C or G

        <400> 3996
atncngtttt aattccatac aagctacttg ttcttttttgc aggatcccat cgattcgaat    60
tcggcacgag gagaagcaga gggacaaggt gtcatccaag tgacctacct gcctcagcct    120
cccaaagtgc tgggactaca ggcatgagcc actgtgcccg gcctgttatt gttgtgttgt    180
cctgctttta tggtgcttct ttttctttat ttgtaatagt ttcccctccc actcccactg    240
ttttcttaac atggagaaac ttttttttta attgttccca gtgaatgctg tctcttccca    300
tgttgactcc attcacttgc catgaattga cttagtgcca gacctctgtg ccttcttcat    360
gtaaccagct caccttagcc ttcttgtaga gggcttatga tcttagttgg attaagttaa    420
caagtttttg ttcagaaatt ggaaaatact agtcaccatt actttcatct gtacttgaaa    480
atttcgtctc tcagacatcc atcatctcta ggtgttggtg acaangcttg acatctttct    540
aacagttgac tttggcttct taaattcctt gaactaattg agagttttct taagcagagc    600
ttanaaggag tacttgcagc ccccaaaaca aangcaggtt tttaaaatta ttggnctata    660
agtctttggt tattccagct gtcacccaaa atggggattt tangcattta caatcggtaa    720
aagggcaaaa ccccaaatta ggggatggac aaaatccctc actggnggat gactctttaa    780
tgcttaccct caagactttn ttaagagtgn ggattatcaa ccagngactt cattggcn     838
```

```
        <210> 3997
        <211> 777
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(777)
        <223> n = A,T,C or G

        <400> 3997
tgaaaccttt tgaaaccttt nanacaagct acttgttctt tttgcaggga tcccatcgat    60
tcggtaaaaa ccctctgatg caaaaaaaag tattaacttt cacaagctgt ttgtactcaa    120
atacattttc tcagtttcag atcctctgct gttttattga gtggaaagtt gagctaaaac    180
ggttcaagaa gaataatgtt gcatttcctt atgtctcagg aaacactttt tatggtaact    240
tgtcagattg tctatgaaca aacccacttt tttagacatt gataaagtct tcttttcttc    300
acgtgatatt ttatacaaga gcacttcaga tgtattagat gtgactgatt ttaacaaatc    360
ctattagatt tgtatcaact agttacatgt tctattcaca gtcttttgtg aatcattgcc    420
ttttttgtttg aaaagatggc ctctttttgag cctttgtttg gatacattcc tgtttttgtg    480
acaaaagaaa aactttaaaa ttgtcccaag cagaaaaata atggctatca gaagtatgtt    540
ttgtttcagt gtgagttact gttactgtat ttgtttattg taaacgtaga catttagcat    600
tcactgcagt tttcaataaa aagtaattaa aatttgttga gttctgaaat tcaagtacat    660
ctcactaatg taaaagttct ctacttgaga tgtttaaggc aagtgcgttg tcaattacca    720
atttccaact cttgttctac agggtctatc tgcctattca taccagactc aagaatg       777
```

1238

```
<210> 3998
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 3998
tgaaccnttt aaaccntttt gaaatccntt nggcttctgc aggatcccat cgattcggct    60
atgtgctgac aaatgtggcc tactttacna ccattaatgc tgaggagctg ctgctttcaa   120
atgcagtggc agtgaccttt tctgagcggc tactgggaaa tttctcatta gcagttccga   180
tctttgttgc cctctcctgc tttggctcca tgaacggtgg tgtgtttgct gtctccaggt   240
tattctatgt tgcgtctcga gagggtcacc ttccagaaat cctctccatg attcatgtcc   300
gcaagcacac tcctctacca gctgttattg ttttgcaccc tttgacaatg ataatgctct   360
tctctggaga cctcgacagt ctttttgaatt tcctcagttt tgccaggtgg ctttttattg   420
ggctggcagt tgctgggctg atttatcttc gatacaaatg cccagatatg catcgtcctt   480
tcaaggtgcc actgttcatc ccactttgtt ttccttcaca tgcctcttca tggttgccct   540
ttccctctat tcggacccat ttagtacang gattggcttc gtcatcactc tgactggagt   600
ccctgcgtat tatctcttta ttatatggga caagaaaccc angtggttta gaataatgtc   660
agagaaaata accccgaaca ttacaaataa tactggaagt tgtccagaag aagataatta   720
tgaactaatg gacttgagac ttggcaatct gccaggggga gacacaaaat an           772

<210> 3999
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 3999
tttaaacctt ttgaaaccct ttttaaaacc ctttaaacaa gctacttgtt cttttttgcag    60
gatcccatcg attcgaattc ggcacnagta acagtcctat attgtttcct gggcaagtta   120
aatagtccta attggccctg agttgttaga gaatgtttgt gaaccactca cacagacctt   180
gacagatagg ttttttgtttt ttgctttttt gaagtacatg atatagacag gaacacagat   240
ttttaaatgg tagctgttac taagtgtggg agagagcttt gactctggca gtttgggatg   300
gcctttcaaa attgacaagt gtggttgtaa gggttagaga gtaagttggt gatgaatgat   360
acactactct ttggagaata aagagccagg tgtgagggta gagtgttcta ngattaggag   420
acttggatgt gtttgaaacc tgaggagtaa gaaattggtg gagagaaggg actctgagag   480
gatgccacag tattggctac agcttttttca tcttccccaa ttatccagta aaagcagagc   540
tccctttaat attgggagca atattaatat gtttactctt atcacttgta tttatcattg   600
nattagangt cctaacaagt acaattaggc aagaaaaaga aatgtttcca gnttaacaag   660
aggaaataaa acttttgtgg tttgcaggtg gaaatgaaaa atcctaagga ctcttgtaga   720
aaaaactntn tttgaaaatt nccanaacag cccaataatn ttttgatngg gaaaanaaaa   780
acaanaatgg gttttattgg t                                             801

<210> 4000
<211> 777
<212> DNA
<213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(777)
        <223> n = A,T,C or G

        <400> 4000
agnaancnnn ttnttannnn tttgaaanct tntaaacaag ctacttgttc tttttgcagg        60
acccatcgat tcgaattcgg cacgaggtct tcactctgcg acaacaagct tcttgaaggc       120
aaagaccata ttttaagtat cttttgtgtc ctagatgcac tgagtaaaan nccagggatg       180
ccgcagatca taaattngtg ntaatnttca aaaatagact ctaaaattta natttacana       240
aacattgnaa agatactgna nagttnctgc tatcctacac tgtttcccat attattaacg       300
ncttacatcc ctgtgatcat ttgtctgnat taataaacca gtattgatac attatcacag       360
agaccatact ttatnaggtt tccacaggnt ttttccttaa tgttctttca ctatcccagg       420
atcccatnca caataccaca ttacatttag taattatgtc tccttagctc ctcttggttg       480
tgacaatttc tcagactttc cctgtattta gtgaccttgg cagttttgaa cattactggt       540
caggttntgt ttgtttgttt ttttgagaca ggatctccct ctgtcaccaa gactggagtg       600
cagtggaacg atctcatctc actgcagcct caacactctg gggtcaagtg atcctntgac       660
ctcaatgtcc ggagaanctg ggcccagana tgtgtgccat catgctctct aaaaatacaa       720
aaaaataacc cggcgtgatg gtggggcctg tatcccagct actcnggagn tgaggga         777
```

```
        <210> 4001
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 4001
ttgaaacctt ttnnnnnccc ttttnaantt gtagaataca agctacttgt tctttttgca        60
ggatcccatc gattcgaatt cggcacgaga cactgttcta aaggtgttgt gtgaattttc       120
ttttttattt attaccacaa tctgtgaaca aatacaaata tctttccagt tagtgcattc       180
cctcaaattg aacttctggc tgcaaggaaa gctaggaatg attatggttt tgttagtaag       240
gaaaattatc aaaatgggat attaggttgg ctactagcag tcttggcctc atgctttcag       300
taaatagtgt gcacttcaga tcatgtggca ttggagaaag gaagaacatg ttaataatat       360
aacatgggtt aggtcatgga gtcttgatta ttgtttccta atggtactgt ttgacttcat       420
aggctacaag acaaatttct tcaagtgtaa atttttcgat tgaagaagac ataaagcctt       480
tgagaattta ctgtatactc agcactttgc ccgggtgtag ataaggatc aaaatcatga       540
aagcctaatt tctttcccca gagacttatg aatgtggctg aaaagaaaaa gtacaacaca       600
tgcaaaataa ttatgaaata atgatgtatg acaggaatgc agagaaggga gagatcagtg       660
tgcatgaatt aatgagaaaa acctcatgga gaaggagcag cataggttag atcttaagga       720
atgggaaata ttgcagcana tgaaaangac tgccagggta ggttataata tagtagngga       780
agaaaaa                                                                 787
```

```
        <210> 4002
        <211> 780
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(780)
        <223> n = A,T,C or G
```

```
        <400> 4002
aanccnnnnn nnnnncnttt gaantcatag aaacaagcta cttgttcttt ttgcaggatc    60
ccatcgattc gaattcggca cgagggcctt tttccttgtt ttcttcttag tgacagcatt   120
ttttggaact ggaaatatag cttctattaa cagctttgat cttgcctctg tctattgctt   180
tctgactgtg ttcagtcctt ttatgatggg agccctgatg atgtggaaga ttttaatccc   240
ctttgttctt gttatgtgtg cttttgaagc agttcagttg actactcagt tatcgtcaaa   300
aagccttttt ctcattgttc tcgtcatatc agacattatg gctttgcatt ttttcttctt   360
ggtcaaggat tatggcagct ggcttgatat tgggacaagc atcagccact atgtgattgt   420
catgtccatg accatctttt tggtgttcct caatggcctg gcccagctgc tcacaacgaa   480
gaaactcaga ctatgtggca aacccaaaag tcacttcatg tgaggttgct gaagcaccat   540
tcagcatctg gatcctgatt ctccttttaa gctaaaatct catcaaggct tcaataagaa   600
gatggatatg gatatatagt atattctact cctgtaagga aaatggtatt tggaattccg   660
aattgacagg ttatctggaa caaaggagct tctttttttt tctangtttt gcaggcatga   720
aatagtgatt atatctgtgg aaaagcatan gaaggcattc tccttttca ttttttttcct   780
```

```
        <210> 4003
        <211> 797
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(797)
        <223> n = A,T,C or G

        <400> 4003
tttgaaccct ttnaanccct tttgaaaatg naaanacaag ctacttgttc tttttgcagg    60
atcccatcga ttcgaattcg gcacgagttt agatggagct cataattata caaactcatc   120
tcgttcacaa atccctaggg ctcaatgtta aagtcagcca ttgtttaagg cagaaattca   180
ggtttagata tagtgtagca aagattttcc attatatgag atatcgatcc tattaaacat   240
aaaacttttc tcttggcttt ctattttact gtcttttgtt gccatcagct gtatgcccct   300
taattttttc tagtaatacc ttggaattta aaaatgaaat tacaaatgtt tatgtttttag   360
tgtttttaaa aataattcga ttaagtatgc tatgatagag gagcaaagtt gttattagta   420
atatcaatgt gcttacaact tatggaaatg aaaaatagtc tttagtccta gcagcctttc   480
tgctgtagta aaatagtttg tgcactttaa atcgctgtga ggttacatct tcaaaggact   540
gagtggcata agccagggag gtcttagaaa tcttacaaaa ggaaaaaaat aagaaattat   600
tcctcatcat atgaaaatta tttactaaca atgtatgatg gtttaanctt cttttaaatt   660
cttcactttc cactcctttt tgcttctttc cttttagttg gactattacc ggagttacct   720
tacactaatg ttgangtatt tggggttcan aagaaaaata ggccaagtaa anggaaaatt   780
ggaaaatagt ttccaat                                                  797
```

```
        <210> 4004
        <211> 816
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(816)
        <223> n = A,T,C or G

        <400> 4004
gnnnnnnngg nnnnnnnnnt ttnnnnnntt aatgaaccct ttgaancccn tntgaaaanc    60
cntngaaaca anctacttgt tcttttttgca ggatcccatc gattcgcact gtggagtccc   120
tgcaagtcag caggaccagg gctgtcttcc tgcaccatct ggatttggtt agctctctct   180
gggcagtggg gccgagtctc atttcctcca acaataatgt tatataggca atgatcctgg   240
```

1241

```
gctgccctaa cataattgaa aattatgtgt attgtaggct tggagtgctg aaatgtgggc    300
tcataaaaat atgtggtgca ggtagcctat ggagattgga tgtggcacac aatgaacttt    360
atgtaaagta agaactataa gtctccatgt taatattgta ttatgagtat gacagttctt    420
gggtgggtcc tcagggcagg tctgtcacct tcaacaaagc ccgagtttcc taattctaca    480
gagctggtat ttggatgtaa tcaaatcggt tttgcaggtg gccaaagatg aaaacttgtc    540
caccaatcca gctctcccca ctgagggata gcatgggatg tagatgggtt tgactccatt    600
tggcattttt gttcacggnt ttttatgaga tggagaggtg agtgttggtg ggtgtccatt    660
ttggttggcc tcaaggaaat gactctattg agtggttttg accaatgcac tcatatagtt    720
atgtggtaag tgaaggatgg gggtcctgta cacaaccacc cactagttct nttctccacc    780
aaaaaggaat aaaagttttg ctttcattct caaaaa                             816
```

```
        <210> 4005
        <211> 786
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 4005
ttnnnnccnt tnnnnnnnnt ttgaatttct ttantacaag ctacttgttc tttttgcagg     60
atcccatcga ttcgaattcg gcacgaggct ggaggctgtc agaaggatgc tgggggtgaa    120
gacaccctgg ggtcctgaca accattggga gtgtctggtg ctcctgggtg agagagaggg    180
ccagttggaa aagcctgcag gcccagccct ggggcagaac tgagtgtggc gggtgctggg    240
cacaggatat tcccccaggg gcttagcttc atgcattcag gcttaccttg aggctccaag    300
cttattggtg gcataagctc tgcagatccc tcacctgcca tcagcctcat ctgaatcttt    360
gtctttcctc agataagccc ttaggcacca gcttagacac ctccaagaac caggccccgc    420
tgatgcaaga tggcagatct gatacccatt agagccccga gaattcctct tctggatccc    480
agtttgcagc aaaccccaca ccccagctca cacagcaaaa acaatggaca ggcccagagg    540
gtgaagcaaa cagtgtccct tctggctgtg ttggagcctc cccagtaacc acctatttat    600
tttacctctt tcccaaacct ggagcattta tgcctangct tgtcaagaat ctgttcagtc    660
cctctccttc tcaataaaag catcttcaag cttaaaaaaa aaaaaaaaa aaactcgagc    720
ctntaaaact atagtgagtc gtattacgta gatccaacat gataanaaca ttgatgaatt    780
tggaca                                                                786
```

```
        <210> 4006
        <211> 825
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(825)
        <223> n = A,T,C or G

        <400> 4006
attccatcag ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagggga     60
attcgaccaa catggagaaa ccccgtctct actgaaaata caaaatagcc gggcgtggtg    120
gcatgaacta ccacactcgg cagcatattt taaaatgcag ttatttctga aagttttggg    180
ttttacacaa tttttttttt aggtaataag atgtattgta aggattatgc ttacgtatgg    240
tacagagtat acttcacatt gttcctgtct ttttgtgggg gagggaatg accgaaagca    300
ttgggaatgt taaaggcaaa tgagtaaaaa gaaaactaaa aaacgattac ttcttcaaat    360
aatgaggaaa gcgttttttaa aattttttgtc tgtttttaaa aagcaagttt catgttagat    420
ttcttaccac actcaattat ttcctaatat aaaatagata taaaatttgt gatttgttac    480
```

```
tttttatgta agcatatata gtccagtcta aaatgaccaa cttccaaatg tgttccagaa     540
aagaatcatg acattttata gctgaaaagg acctaaaaat ccagtccttt taatataaca     600
tatggtaact gactccttgg gagtataaaa ttaattattt aagaaccagg taagatagta     660
gccagagcct agaaccaatn actcagatgc cccttatcca ttctaatatt ccacagcatt     720
ttctagaaac ctcacttaan gcanttaatg tggatagggt tttacctcna aaatagtcaa     780
ncccccaaat gtagccaaat acctaaggng gccttttttg nttcn                     825
```

        <210> 4007
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 4007

```
ttagnnnnng tttaanccct tttgaanttt ttanaanaca agctacttgt tcttttttgca     60
ggatcccatc gattcgaatt cggcacgagg gcagctggtg agtggctctc tgcgcacagt    120
gttcgggact accccgctcc ccatggcctg cccagcgctg agtgagagcc agcccaagtt    180
cggccacttc ctcgagttca tggatgagtt ctgccaggag cccacagcca gtgactcaca    240
aggctagagc tgtgcatggg ggctgtgtgc accacccggc ctgtgcccca nctctccccg    300
agggctctgt gccctggacc gcacctcaag gttgaccagc cggccacagg cctcagagct    360
cagctgggcc ccacttgctg gccacaaggt ggcatcccct tgtcaggatc tcccctcctt    420
ggcccaggca tgacctggtg cctggcccag cggcaataaa gagtgggtgc acagggcaat    480
agactgggtg ccacatgcat tctttcttgg aacccancca cagcaacatt gtcacacttc    540
cctctaaaaa tggttttcca gntcagatgc aacagggata catttgttct ctgttgtatg     600
agaaactgac accaagggga tcttaacaaa ttcctgaaca atggcttcaa aaaaggatat     660
ttttaaaaac cagatcttgt gagtacaagc cctaatgtgc anggacaggg tcatcctgta     720
tattcgttct ttactcaaac tctttcttgg ttccttcatt angaagcatg aatggttgaa     780
tgtgaac                                                              787
```

        <210> 4008
        <211> 464
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(464)
        <223> n = A,T,C or G

        <400> 4008

```
tattcnatnc agctcttgtt cttttttgcag gatccctcga ttcgaattcg gcacgagagt     60
acgagagcaa agaatgccca gagatgacac tagtgatttc ttgaaaaact cattattgga    120
atctgatagt ggcttttatt ggggcttacg gtgagacata tcctgccatt gaagatgacg    180
tcctccctcc accatcacag ttgccctctg cacgggagcg caggangaac aaatggaaag    240
gactagacat tgatagcagt cgtnctaatg tagcaccaga tggtctctct ctaaaatcta    300
tatccagtgt aaatgttgat gagcttagag tgagaaaatg aggaacgaat gcgaagactg    360
aatgaatntc acaataaacc tattaataca gatgatgaga gttcactggt tgaccctgat    420
gacatcatga aacacatagg ggatgacgga tcaaactctg tagc                     464
```

        <210> 4009
        <211> 766
        <212> DNA

                                1243

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 4009

```
tttgaaacct ttgatacaag ctacttgttc tttttgcagg atcccatcga ttcgaattcg    60
gcacgagatg cctagtggtc tctgagtgta ggattcttga acctgctgat ttgcatttca   120
cctgtagttc tacagtaaaa aatgatttta tataactttt ggtatataag tctcaaaaag   180
tgtgagtcag aagagatgaa acattatatt taaaatttca tatcaaagct tctaatacaa   240
cgttgctaga gccatggctt ggaaataaat caggaaaaaa ccctcaaata cagaatcagt   300
tgtgttaatg cactagaact tgccttctgc tttaaagcca taattaatca tttaaatgct   360
ggataaaaac catgtgtttt gtctttagaa aaggtgttga gtggacttca aggtttagat   420
ctgtgctgtc ccatacagca gccactagtc actagcgggc ctggctattg agcacgtaat   480
atgtggctat tgagatgtgc tctaattatc aaatacacac caggattcaa agacctanta   540
caaaaaaaga atataaaata tctcaaaaat attattgtat tgattacatt ttaaatgata   600
atggttggga catattgggt taataaaaca catctctnaa taaacttttt aaaaaaaact   660
tttcaaaatg catctatgaa aacatttgaa antatatatt atggcttctg cttacgactt   720
ggatcatgtt tatgttgggc cacatagttt aaatcnttta tatctn               766
```

<210> 4010
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n = A,T,C or G

<400> 4010

```
ttgaancnnt ttannccctt ttgaaanctt tatacaagct acttgttctt tttgcaggat    60
cccatcgatt cgaattcggc acgagaagac acttcctctc cggaaagcca gtcatattca   120
tcccagcgtc tttcttggtg tctgtgcatg gataaagcct ccccattccc ccgtgccccc   180
caccactttg tgtcctttca ctttgcttca cttatgtgcc caccactcca gggctccctg   240
aggtccagga attccatgcc attccctttc acatggctga gagccccagc cctgtggatg   300
agctgtcctg agtgggcact cagtaatgtg ggcgtaactg aaccaagctg aagagggaag   360
gagcaaaaaa caaccagaag ccctcagatt cagagtcatg tcgttaaaca cttttttaaaa   420
taaaaaatta gctgtgcaaa ctgaaatcaa tttaaactat tttcttttgac taggcaggaa   480
agaggaggct gctacatatt aagaactccc acttaagcca aaccttcatg tttccaatct   540
ccaagcaggc attgagggcc tctgggctgc gtgtgggaga gccaggaaga aagaagagta   600
ggccctgcct ttaaggtcct tcctgcctaa agcaatctat aggcagctgt gttctaacaa   660
aaactttat ttataaaaca ngcagccagc cagcctgcct atgggcagta gtttgccaac   720
ctgtgctgta aattaaaaga agcttaagag atctgtcaga tagtgataat gtatgcacat   780
tatt                                                            784
```

<210> 4011
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)

<223> n = A,T,C or G

<400> 4011

```
tttnannnnt ttannncnnt ttgaaanctt tatacaagct acttgttctt tttgcaggat      60
cccatcgatt cgctcagcca ccgtctcctt acctgactcc tctgggaaag agtttcccta     120
ggttaagcca tacagggata gggtaggaga tgccatttgg atctaggagc agagggcaga     180
gcctcagcag gaagagtgtc tctttgagaa ggagacacag tggagcaggt gtgtaggttc     240
acagggccag ctatgggtag agtcgggtgt acatttttag aagccacaat tcccaaaaat     300
ctcctgacta taacatcagt gcacagagcc agtcaaatgg aggaggagtg ggtccaggca     360
attcaggaag aaggaaagta acaaatgagt ggttgcagga ggacactttt tctgtcgagg     420
tcactaaaca aaacattgtc tcctcccctt aacttcagaa acaatggagg gtaaaagtgt     480
cgcctgggcc ctgggggcaa agacggtaga taacttctct gtcgtgttct ccagaagggc     540
ccaacaatta caaggttcta cggttctaaa ttccaatcta gtcttccaca tcattttgaa     600
ggtataatat tacttgtcaa agtgggatga tagaagatat gtgtggacat aaattgttgt     660
caaggaaaaa aacttaaata agaaaataag agaaaaaatn tntgtatgta cagtggttac     720
tagaaatatg ccttttaaat atttggcatg tggattgtgg cctcatcntc actcagtgng     780
a                                                                    781
```

<210> 4012
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 4012

```
tganccnttt gaanccnttt tgaatntcnt tacanttgct acttgttctt tttgcaggat      60
cccatcgatt cgaattcggc acgagattca aagtacattt gacaacccac tgcaagttgt     120
ggcatacatg ggtgccatga accatgacac caactacagc tttcaggttc aatgtggctt     180
aattgtgggt ggcctacaaa gatggatcac ctgcccaccc acatttcatg gatgcagagc     240
tctgttccca gtactggacc aagtggcttc ttcgactaga agaatatacg gaaaagaaaa     300
agaaccagaa tattcagaaa ccagaatatt cagaataggg agcaagttgc tatttgggaa     360
cattcagcac cttctcacag tttgggaaca tatattgctg tttactccag tgtaaaaatg     420
aggtgccact ggatctgagt gctacacgaa cacaagtaga agtattaatt tgttgaaatg     480
tgttgttacc aaaaagactg aaaagcccca aagtctagat ataaagacct agacttcggc     540
acgcgaaatc ccactatgct acctcttatt tacctgaaag gaggacacgc aggatgggca     600
gtcatgctgg tgactcttgt actcccttga gggacattgg tggggggggg gcgtggtccc     660
angcaggatg cccantcttt gactganatt ggaangcant gangnttgag ggtgccaaaa     720
attncccang gttcacccag anggggangg gctacatgcc ccanctgtgt gcangggagg     780
acacn                                                                785
```

<210> 4013
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 4013

```
acctttaaac ancttntgaa ntncttgcac gatcccatcg attctanttc nntncgcagg      60
```

```
cagccnccan cncganttng gcacnagctc nanagctgct gcttttcccn tgccnganaa      120
cnttnanttt agtcctggat tctgtcacan aacatntnan ctgccnttnt ccctnnggag      180
aattganntg gnaacctact tnagnggcat gaaaaaacct agacntctcn gaannganaa      240
ccaatnngcc cttattgaga ntactgatng atngtannac canagggaca cccgngnatc      300
aatacatacn ggctgntctt gcctntttca agggtggtcc aaacgnccat nctanggntc      360
ggatcantat gggtntgccc aagcgatcag aacncgagcc atttgcttag ctgcgggaat      420
gaacanggnt cttgganacn ggcatctata tacacccct ttcnttttnc ccttgatng       480
gaagcttctc tganatgaca ctctcaaaga tgngttctgn agtgacttat tgccaaagca      540
ccacttnncc tngttgagtt taagangance acatttgggc taaggggcct ntgnttngat      600
gtaaagtgat ctcctngngg tctacatttt tcntaaataa tnccttatga tccaccatga      660
gtntgaatac tttgcttggg acatangctg ccnatcattg cctggaagct gccacaagta      720
cngnagtccc tggggcaaat agcttcaaat tttttgnact ctcaagccca tgtcacatan      780
tt                                                                    782
```

        `<210> 4014`
        `<211> 794`
        `<212> DNA`
        `<213> Homo sapiens`

        `<220>`
        `<221> misc_feature`
        `<222> (1)...(794)`
        `<223> n = A,T,C or G`

        `<400> 4014`

```
gnaacctaga aacaagctat ttgacttcnt gancnttcna acaagctact tgttcttttt       60
gcaggatccc atcgattcga attcggcacg agcagagatc tgcaaattac agcccacatg      120
ccagctgctt gttttgtaa ataatgtttt accggaatcc accactccca cttgtttaca       180
tatcatccct ggctgctttt atgctacant gaagtgggag gggttgagta gttgaaacaa      240
agaccttatt gcttgcaaag tctgaaataa acacactcac acacactgat ttatgtatag      300
aatatgtata caaatatatc ttttatttat ctatttttt gagattgagt ctcgcttgtt        360
gctctgncgc ccaagttgga gtgcggaggc aagatcttgg ctcactgcaa cctctgcctc      420
ccaggttcaa gtgattctct tgtctcaacc tcccaagtag ctgggattac aggcacatgc      480
cgccatgccc agctaatntt tgnattttta gtagagatga ggttttgcca tgttggccag      540
gctggtctca aactcctgac ttttagtgat ccgcctgcct ctgcattcca aagtgatggg      600
attatangcg tgagccactg tgcccggcct acaaatatat nttttacagc acatntcaat      660
tnctattaac tgcattttca aatgttcagn aggcacccac tgggctttgt atcgggntgt      720
actgggccca cacaaatcta aaatngctgn atccttggna cctcctacct cctggtacct      780
tatnagaata agcn                                                       794
```

        `<210> 4015`
        `<211> 786`
        `<212> DNA`
        `<213> Homo sapiens`

        `<220>`
        `<221> misc_feature`
        `<222> (1)...(786)`
        `<223> n = A,T,C or G`

        `<400> 4015`

```
tttgaaanct ttatacagct acttgctttt tgaagacctt ncanacaagc tacttgttct       60
ttttgcagga tcccatcgat tcgaattcgg cacgagagaa gatgaccgag agactcttgt      120
cagccaatgc agggacacac tctgtgttac caagaactgg ctgtctgcag atactaaaga      180
agagcgggat ctctggatgc aaaaactcaa tcaagttctt gttgatattc gcctctggca      240
acctgatgct tgctacaaac ctattggaaa gccttaaacc gggaaatttc catgctatct      300
```

```
agaggttttt gatgtcatct taagaaacac acttaagagc atcagattta ctgattgcat      360
tttatgcttt aagtacgaaa gggtttgtgc caatattcac tacntattat gcagtattta      420
tatctttgt atgtaaaact ttaactgatt tctgtcattc atcaatgagt agaagtaaat       480
acattatagn tgattttgct aaatcttaat ttaaaagcct cattttccta gaaatctaat      540
tattcagtta ttcatgacaa tattttttta aaagtaagaa attctgagtt gtcttcttgg      600
agctgtaggt cttgaagcag caacgtcttt caggggttgg agacagaacc cattctccaa      660
tct.:gtagt tttttcgaaa ggctgtgatc atttattgat ccgtgatatg acttggtact       720
agggtactga aaaaaatgtc taagcctttc agaaacattt ttagtaatga ggatgagaac      780
tttttc                                                                 786
```

```
        <210> 4016
        <211> 783
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 4016
ttttgaaccn ttanacancc tcttgnnttg aaaacctaga nacaagctac ttgttctttt       60
tgcagggatc ccatcgattc gaattcggca cgagaggacc tccagttaaa tttgaatttc      120
agatgcctat gaatagtttt cagtataagt atgtcccatg caatacttgg gatacgattg      180
tgctgaagtg gttttcattg tttgtctgaa cttcaaattt aactggacat cctgtatttt      240
tatttgctgt cttgcaactt ggttctgaga gagagacccg agttcttccc attcacactg      300
tgtgttgggc agggcatttg ggccacttga tgttggctag gtaggttctc atcttgagaa      360
accaaatttc tgattcccag ctctgtgccg gtactgtgcc tttttccact caagatctta      420
aaactttgcc taggaagaga agggtcggga aatggtggga tggggacttg agtgttaatt      480
tctgagtctt cttcctgggg tggattgctt ctgtgccatg gtctttgttt cccgttgtag      540
gtgctgaccc catatgctgt ctcgactgca atgacaaagt atctaaatac aaatgtgata      600
accaagactg ctgatgagtt tgcaaaaagt cattgaatta tgtcacaatt ggaggtgaaa      660
cctgtggctg ccttgcccat gaaatcttgg cgggctttct gancctgatc ccngcctggg      720
ccttctacag cggtgccttt caaaagctgn tcctgaccac tatgtggcat acctgaactc      780
ant                                                                    783
```

```
        <210> 4017
        <211> 786
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 4017
ttgaaccntn nnnncttttg aatttgaaac cttnaaacag ctacttgttc ttttttgcagg      60
atcccatcga ttcgaattcg gcacgagggt aacttctctg anagngttcc ttgtaaggct      120
cttatgaaca gtcgccatat atatatagtt gatgggcngg gaagatctgg gangtnagca      180
nnaagagcct ttagttccgc cncatagaac aaantagagg tcacaggttc natgccctga      240
gatatggaat tgaaatntta gacttcaggg tcatagactc ttggaaggaa nactagagta      300
cattcntgac cctcnccctt aattncttna caggngngaa aaccangagc tncngaaaat      360
nngttattcc tcanctccag ggctacctnc gatctgtgtt tgctctgacg aatggaattt      420
atcctcacan attggtgttc tnnntgtctt accacctaat tanntnnctg ctaccaaaaa      480
aaaaaaaaaa aaactcgagc ctttanaact atagngagtc ggattacnnc natccngnca      540
```

```
tgatangatn cattgntgag nttggacaaa ccnnanctag aatgcancga aaaaaatgct    600
ntatttgcga aatntgggat gctnttgctt tatttgtaac cattataagc tgcaataaan    660
aagttanaca acaacaattg cnttcatttt atgtttcaag ttcagggggg ggngnggggg    720
gttttttaat ttngcggncg nggcgccnaa tgcattgggn cccggaccca ncttttgttt    780
ncttta                                                              786
```

        <210> 4018
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G

        <400> 4018

```
nnttactata naatacaagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg     60
cacgaggcga gctgaagtac acaaagtttc aaggccngaa aatgagcact canaaatgat    120
aacaagagac aagtagctcc aggtgctcct tcagctccaa ggagagggcg tgggggtcat    180
cggggtggca ggggaagatt tggtattcgg cgagatgggc caatgaaatt tgataaagac    240
tttgactttg aaagtgcaaa tgcacaattc aacaaggaag anattgacag agagtttcat    300
aataaactta aattaaaaga agataaactt gagaaacagg agaagcctgt aaatggtgaa    360
gataaaggag actcaggagt tgatacccaa aacagtgaag gaaatgccga tgaagaagat    420
ccacttggac ctaattgcta ttatgacaaa actaaatcct tctttgataa tatttcttgt    480
gatgacaata gagaacggag accaacctgg gctgaagaaa gaagattaaa tgctgaaaca    540
tttggaatcc cacttcgtcc aaaccgtggc cgtgggggat acagangcag aggangtctt    600
ggtttccntg gtggcanaag gccttggtgg tggcaaangt ggtccttcct tgccctcgan    660
gatttccncg ntggattcaa aagaagtcgt gggggcccgg agtttgcgga ttttgaatnt    720
aggaaagaca acanaagttg tgcntagtct acaaacaag                          759
```

        <210> 4019
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4019

```
gaatccnnta cnatananac aagctacttg ttctttttgc aggatcccat cgattcgctc     60
ggacataaat tatttcattc acaccatctt nccttcccac acacacaccc tggagcaaac    120
actggcaccg cntctaacaa ctcaaggctg tgtcccgagg atgactgctc cagctntctt    180
acgttctgcc tganagcctg ccaagagaat caactgtttg atagggccca tctacangct    240
ttgtganaga gtngggggcct aatttgtta anctccannt tgtaaagcca nanagcctaa    300
tcgcgtngac anccnccttc ctgcttttca aanattatct gcttncctga atactgccta    360
tgcctccctn ctcctccctt attctcccta ctgcagnagt gantatggat gaaattatgt    420
ncttcctgta ttaactcagg tcancttggn ttgnnttttgg caccgggnac aagtgctgtt    480
gggtctgctt gnaccactat tccccaantg ccactggtag cacanatcaa caaatccttt    540
nctctnagct catntgttga gaaattatca ggagccatgg gaagaaatta ctattttnat    600
catgntagaa atatatttca nngtgtnttg aagagtgtna ananttgaaa ntgggaaaag    660
gatttnangc tgcacttggg angcaaanatg atgaacctta ctatggcact nnggactnaa    720
agtangatga gccccantac tgaccccccag gccngnt                            757
```

<210> 4020
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 4020

```
gaattcctta cnatananac aagctacttg ttcttttgc aggatcccat cgattcgaat      60
cggcacgaga ctggcattct gctgttctca ggagctccgc tttgatggat ggctgggcag     120
cctgtgctgc atggaccacc agtggttgtt gaggtggtga antgtgtccc cgctaactcc     180
actctgggca gtnaactgaa nagggagcaa agcccatgaa atgggccttt gtggcagtgg     240
tggaggtaga gtgacccaca acaaacctcc ccacttgtnc ctnnccattc agnngntcca     300
gaggcagtga gcttggaatc ttaacangag agatcttggg gtggggtgtg dactttccac     360
aaaggcatta cctacatgca cgttccctta cacatgtagc cttccaatct catacntaan     420
ancacttatt taagtnaaat atgcctattt caacagcaag aactntggnn tggggagtaa     480
agatnttntt anttnactat ttagtattaa ctgagtaaac atttaaaaag gactggatgg     540
gggtgggcac atggggctgg ggtgcatttg ctntngctct acatttatga aagaccncaa     600
atncattatg tgacattttn tgnaaacaag ggtatatata ctacancaga tacacaggng     660
ctagaanaaa agtncatcat aaaacttcac actnggggtt gtattacaaa accacatagc     720
ttcatnngga nttatgatgt cnggaaaaat tattananct tgtnt                     765
```

<210> 4021
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(790)
<223> n = A,T,C or G

<400> 4021

```
ttnanncctt ttnaannccn ttttnanttc cttactatan aatacaagct acttgttctt      60
tttgcaggat cccatcgatt cgaattttgc catcttttat caggctttct gtgtcgagga     120
cgctacccac atagagtaga agctaaaggg aagggatgtg aagtgacctc accctcagct     180
tctanctcat ggtgtcaagg cttgtgtgat cttagacacn tctgcctctt ctgagcctgt     240
ttcttcatct gtnaaacang datgggaggt tgtggtnaan attccacagc aacactgcac     300
acgcatnaan tacctnggcc aggatgact cggcngacct cattttccct ctgcctcctg     360
cctanagctg ttagcaagca tccatcatgc ggntcacaca agagctcccc cnggaggtta     420
cagaaatgaa ggcngcagcc ccagtncttg ggtagcctgt ttcccttga aggaaacaga     480
ctcaatatca gcaacacaga gtgaatgacg ccagggtggc naacnggcct ttcctgnagc     540
aaatgcggga ggcttcatgg agatgacgtg ttatgaacan cactcatctt acgctgggag     600
cagcacatgc ccccggcang gagccagtcc ctgtcttcaa atacagtcac actgngggtt     660
naacaatgtg taaatttggg ggcgatacaa acattcagtc cataacaccc ctatacccna     720
acccttaggc aancactaat ntacatntta tctttacaga tgacctattc tggacatgtc     780
atatnaatgg                                                            790
```

<210> 4022
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 4022
```
gagnnnnttg nancccttnt gaaatctttt aacacaagct acttgttctt tttgcaggat    60
cccatcgatt cgaattcggc acgagggtgt gcggctgtaa tttgagctat cgggaggct   120
gaggcaggag aatcacttga acccaggaga cgaaggttgc agtgacccga gatcgtacca   180
ctgcactcca tcctgagtga cagagcgaaa ctccatcttg ggggaggaaa aaaaagaaag   240
taatagggag gcaaatcaga atttgtgtgg gagtacccc tagttctggc tcttgttagt    300
atactcaacc tgtcaggcta ttctgagagc gaaagctcct gctttgggct agtttccatt   360
cagaatggtt tttgataggt atgaactagt ctaagcacaa gtatacttct gtgtaagtag   420
catagctcct ctacttggct tcatagcatt ggacattaat agagaaaatg aaaaaggagg   480
gtatggtacc tgccttgaat agcatttgat ttttaatcct acatttatca gagccccagt   540
ttttaaaatg tttaatagcc agatgtgctg tttgccaggc ttanaagttg gtacttctgt   600
gaatgaaaan gtgtgactga gtcacataaa ctggtattca gctagcccag tcatcagttt   660
attccatatt caagggaaaa ccaaggctgn ttttcctctt tatactttga agatgatggc   720
atttaaaatc aagtaattgg ggctgggtgt ggtggnccac atgtgaaatc ctaatgcttt   780
g                                                                  781
```

<210> 4023
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4023
```
gnttatanat acagctactt gttctttttg caggatccca tcgattcgcc cctttgcctt    60
ccaccatgat tataagtttc ctgaggcctc ctgggacatg cggaattgtg actcaattaa   120
acctgttttc tttataaatt acccagtccc cagcagttct ttatagaagt gtgaaaacag   180
actaatacaa tcctgaagca tttcatcaaa gaattgtaac aggagatgaa acatggcttc   240
accagtatga tcctgaagaa aaagcacaat caaagcagtg gctatcaaga ggaggaagtc   300
aaagcaaagc agaccagtca agagcaaagg taatggcaac agttttttta ggatactcaa   360
ggtattttcc ttgttgactt tgtggaggac caaagaatga taacattaat ttgcctattg   420
agagtgtttt gggaaagtta gccaaagctt tagcagaaaa acacctgaga aagcttcacc   480
agacagttct tctccaccgt gacaatgctt ttgctcatgt ctctcatcat caagaacaat   540
tttgttagag tttcaatggg aaatctttag gcatccacct gatctggctc cttctgactt   600
ctttttggtt cttaatctta agaaatctgt caangggccc ccagtttct ttaagttaat    660
aatgtaaaaa nggctgnatt ggatgtgggn taaagtcttc cangaacctt aagttctttt   720
anggnggtcc tnaaanggct ggggggcatt tttttaccna aaggggncnt tggaaattg    779
```

<210> 4024
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

1250

<400> 4024

```
taatcncttg gtttctaatn cntgggnctc gnactttctn cannanccnn tgcgntgcga    60
attcggcacg agcccagccc tagatactgg cactactgag gaggatcgtt taaaaattga   120
tgtaattgac tggttggtat ttgacccagc gcagagggca gaagcactga aacaaggcaa   180
tgcaattatg agaaaattct tggcatcaaa aaagcacgaa gctgcaaaag aagtatttgt   240
gaaaattcct caggattcta tagcagaaat ctataatcag tgcgaggaac aaggaatgga   300
aagtccactt cctgctgaag atgataatgc tatccgagaa catttgtgca tcagagctta   360
tttggaagcc catgaaacct ttaatgagtg gtttaagcat atgaattcag ttccacaaaa   420
acctgctttg atacctcaac caacttttac tganaaagtg gctcatgaac acaaagaaaa   480
gaaatatgaa atggattttg gtatttggaa agggcatttg gatgccctaa ctgctgatgt   540
gaaggagaaa atgtataacg tcttgttgtt tgttgatgga gggtggatgg tggatgttag   600
agaggatgcc aaagaagacc atgaaagacc catcaaatgg gtcttactga gaaagctttt   660
gtctgccaat gttgtgtttc ctgcttcatc gatattgcac agtacttgtc aantttcaag   720
gaatgccctt canttagcag aatatnggna ttcctttgag cgcccacaaa cttg         774
```

<210> 4025
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 4025

```
gnttatatat cagctcttgt tcttttttgca ggatccctcg attcgaattc ggcacgagct   60
catcacactg ttgtatactt cgtagctatt acttctttaa tccccaagga cttgtttaac   120
aaagtgttct tcagtttcta cttcctagtt cctttgtgga actggtaaaa atttaaaata   180
tcttaacata atatttttatt tcaaatgata aacagtaagg taaaatgtgg ttttttcttgg  240
acaacttatg gtagaatgat gtctagaata tttagttatg tcatttaata cttttttttct   300
ttacaatttta aaaaaaaatt tatttttattt tagattcagg gggtacacgt gcaggtttgt   360
tacatggcta gattatgtaa tgccgaggtt tggcctgcta gcgcagccat catccaaagt    420
gaccctagta cccaataggt agttttcaac ctgtgtgcct cctcttctac cttctctttt    480
ggaatctcta gtctattact tccatcttta tgttcacatg tactcattgg ttagctncca    540
cttacaaatg agaccatgtg gtatttgatt tctggttctg agttacttct tttaggatag    600
aggatgaaaa agagtgtacc tccacttcat ccatgtgctg cnaagacatg attcattctt    660
ttatggtgga tattttacct ttttgcnagg gganagatta aattggccan ntatgaaaaa    720
tgctgnatcc ctat                                                      734
```

<210> 4026
<211> 837
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(837)
<223> n = A,T,C or G

<400> 4026

```
aagtttaaac ctgctctngt ctttgcggat ccctcgattc gaattcggca cgagggggtt    60
gggggtggga ccctgggatg gggggagaag cagctgtttc tggagagaga aggggtcatg   120
gtggccccag actgtagaga ttttttatgtg tttggataca tctgctgtgt ggaaaaaaaa  180
aaactacaaa aaccctaatt ttgtacatac tgtattttta ctattgaact gtattctagt   240
ggctgttcat gctccaagac tttagttacc gagacatgaa tactatccat gtaataagca   300
```

```
cttgcctgga  ataaaatata  aaactgaaat  aaacctgcac  tgaaacctga  aaaaaaaaa      360
acaaaaannn  anaanncnta  aaananccca  aaaanaanta  aaaaaaaaan  ccnnggccct      420
ttaaannttt  ngggngccgt  ttancttaan  cccnnnnttn  ntannacctt  nnttnatttg      480
ggnnaacccn  cantttaatt  nccggnaaaa  aatgnnttnn  ttggnnaant  tgggaancct      540
ttngctttnt  tngaaccntt  tttaagntgc  nataananag  ttaccnncna  nnttgncttn      600
nnttttaagg  tttcaagggt  ncaggggga  aaggttttgg  naagggtttt  tttaaattnn      660
cngggccccc  cnngggnncc  ccaattnncn  ttttgggccc  ccgggnnccc  ccaagntttt      720
tnnnntcccc  cttttnangn  naaaggggt  ttnaatttgn  nccccccntt  tgggcnnnna      780
aaannnngng  gggnnnnntn  aanccntnnt  nnnccctng  nnnnnnaaaa  aaattnc         837
```

        `<210> 4027`
        `<211> 787`
        `<212> DNA`
        `<213> Homo sapiens`

        `<220>`
        `<221> misc_feature`
        `<222> (1)...(787)`
        `<223> n = A,T,C or G`

        `<400> 4027`

```
ggnnnnnnnn  gnntntaata  nncagctact  ngttcttttt  gcaggatccc  tcgattcgct      60
gccatgtcta  gtgggctctt  ctgggctccg  tcctgagttt  gtcacacctc  ctagggccca     120
gaggagatga  tgtggtattt  ctatcactaa  aaggagttca  agaccagctt  gagtaacatg     180
gtgaaaccct  gtctccacta  aaaatacaaa  atttagccag  gcatgatggc  gcatgcctgt     240
aatcccagct  actcgggagg  ccgaggcagg  agaatcattt  caacccagga  ggtggaggtt     300
gcagtgaccc  gagatcgcgc  tactgcactc  cggcctgcgt  gacagagcaa  gactccgtct     360
caaaaaaaaa  aaaacaaaac  aggaaaagtc  ttagagaaac  cttgtgttta  ttcagaataa     420
aatgaaatag  ttaaaatgtt  ttagtgcctt  ttattttcaa  attacatagt  cagtatcttc     480
tctcatactg  attcttgttt  gtatctttac  ccaaaatagg  agtacacctt  tgtcatttaa     540
ttaattgttt  gatataatct  tncaaaatat  ggtatctggc  anagggggt  gngagagagg     600
aagaatagca  caaggctttt  gtttgggtgc  ctgcttgctg  gttggatttt  gagatccaaa     660
tcaactattt  ttggatgaaa  tcgtagctaa  tttttcctgn  aacctntttt  tttttnggt     720
ctctgngccc  attggntgct  tgggatcagg  aaaatgccct  atantttttng  gctattttgg     780
catttaa                                                                     787
```

        `<210> 4028`
        `<211> 733`
        `<212> DNA`
        `<213> Homo sapiens`

        `<220>`
        `<221> misc_feature`
        `<222> (1)...(733)`
        `<223> n = A,T,C or G`

        `<400> 4028`

```
agnntttatn  atcagctctt  gttctttttg  caggatccca  tcgattcgaa  ttcggcacga      60
ggttttctcc  tgttacatca  tgctgaatcc  tttcccttag  ccattagctt  ttatgatgtg     120
gtcttcgtag  gaaagccacc  ctggtgccaa  gcctagcttg  tggggagggg  tatgtgttcc     180
agaaactgct  ctttgtgttc  ccttcaatga  ggaaacaaca  tgtgtctact  tatgtggcat     240
ccaactgctt  ggagctccac  acttcccttt  cgcgactcag  gctctggtgc  tgttgccaat     300
ccttgcttgg  caaagactgt  tcgatcatgt  ggggtcctta  tttacaaggg  aaagctgggc     360
cagaaggcta  gcaattcang  tgttaccgct  attgctgtgc  cttgtgttan  gacattgtgt     420
gtgtgcatgg  actgngcctc  caaactcagt  agttcctatc  taaatatnaa  gtatattaca     480
aacctggaag  tacagaatct  caaccttaca  gtctttccct  tantcctgtg  gccttctaac     540
```

```
canctgntaa cgtgttgatt ccttncactt ccccaagtag gcangcacan attgtgangc      600
ttaaaaagta atctggttcc tntgactcat tgaattcant ttgcgcntct ggctggaaca      660
nntgttgtta cagnttttaa gaaaattgct ggntgcccna taagggtggc ctggtgctcn      720
gggcctgngg ctn                                                         733
```

```
        <210> 4029
        <211> 760
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(760)
        <223> n = A,T,C or G


        <400> 4029
gnntttagat cagctcttgt tcttttgcag gatccctcga ttcgaattcg gcacgagagg      60
agaaggagaa agcacatgaa ggagcaagac ccatgagagc catcttcctg gccgatggca     120
atgtcttcac cactgggttc agccgcatga gcgagcggca gctggctctc tggaatccga     180
aaaatatgca ggaaccaatt gctcttcatg agatggacac tagcaatggg gtgttgctgc     240
ctttctatga ccctgacacc agcatcattt acttatgtgg aaagggtgac agcagtattc     300
gctattttga gatcacggat gaatccccgt acgtccacta cctcaacaca ttcagcagca     360
aggagcctca gagagggatg ggttacatgc ccaagagggg acttgatgtt aacaaatgtg     420
agattgccag attcttcaaa cttcatgaga gaaagtgtga acctattatt atgactgttc     480
ccaggaagtc tgaccttttc caagatgacc tgtatcctga cacagcgggg ccagaggccg     540
cgctggaggc agaagantgg ttcgaaggca agaatgcaga cccaatcctc atctncttga     600
acacgggtac attccangca aaaacaggga tctcaangtg gtcaagaaga acattcttgg     660
atagcaagcc cactgcaacc aagaagtgcg anctgatcag catncccaag aaaaccacag     720
acacgggctg tgancaaaaa tgaacttgta ccgaccatgn                           760
```

```
        <210> 4030
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G


        <400> 4030
gnnttttana tcaagctact tgttcttttt gcaggatccc atcgattcga atttcggcac      60
gaggctgtac ggagagtgct ggaccgaggg gagctgggag caggtactgc ctccatcctg     120
agctgccgtc ctttgaaggg agaacctggg gtaggttcg aggagcctgg cgagaactgt      180
gcacctcctc gggaggagca gcccctcct gtgctgctttt ccccctccct tcaatatgct     240
ggggcggaga ccctggcctc caaagtgcaa ttccgggacc ccaaatccca gcggacgcac     300
caggctcagg tggcgttcca ggtgtgtgtg cgccctggct cctacacccc gggaccccct     360
tccgctgccc ttggagaacc tcctgaccct cacttcagtc cagccgaact tgagtgggtc     420
actaaggaga aggggccac actcctctgt gccctgctgg tacgggtgga atgaggggtg      480
agacaccact actacaagca cagtcgggcc gcgggcccat ggactctgan tggcgactgc     540
cttcacctca ttcccgtgac tcgtggcatg cncangtgct ggancttggc agccgcncan     600
gaacatgtag gcaggctctt aaatgtaggt ggcaagtggc acaacttcca tgtccgaggc     660
ccacaattcg gctgatggaa gagtctnggg aacccaantt cagccctggt accccttttc     720
atgcntgatt ngggaacatg actccttta ctncccn                              757
```

```
        <210> 4031
```

<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 4031

```
ttttgttcca ttcagctctc gttctttttg caggatccca tcgattcggt ctgctgataa    60
aatatttaac cccaagaaag tgaaaactaa tataaaatta gaaagaccta tccaaattag   120
acagtcaatt ccattaaaat aagaagtgag aaaaacaatg ttgggcattg aggtgtaaat   180
tttgcccaga tgtatacccca gtgtgaaata tcttctaata aaaatatatt tggctcttat   240
ccctgcacat gtagaggcat aaaaattggt aaacatgtcc cgctgtgtag aactttaaaa   300
aaaaggcatt tttgaaagtg ttgagtggca ctgataactg gtgaancnnn nntnnnnnnn   360
nnnnanntnn nnnnnnnnnn nnnnnntnn nnnnnnnnnn nnannnnnnn nnnnnnnnnn   420
ntnnnnnnnn nnnnncnnn nnnnnnnnnn nnnnnnnnnn nnnnntnnnn nnnnnnnnnn   480
nnnnntnnn nanntnnnnn nnnnnnnnnn nnnnnnntn nnnnnnnnnn nnnnnnnntn   540
nnannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnannnnnn nnntnnnnnn   600
nnnntnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   660
nnnnnnnnnn nnnnnntnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc nnnnnnnnnn nnnntnnnn nnnnnc       776
```

<210> 4032
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = A,T,C or G

<400> 4032

```
ngtctaatnc tggctctcgt tctttntgca ggatcccatc gattcgaatt cggcacgaga    60
ggggccttac attactttct tgcagcactg atggcttntg nttgaggctg cacaaattcc   120
tgcatttccc ttgggttgaa tggnagggat gcgggcagtt ggtgactggg tgaaccacct   180
gacttgagca gggctacgac tctctctgca aacnaaaccc agagacatga acagtgctga   240
natttctcag tggtttccca tgtaggctgc tttccaaggg cancaagcat ggcttnatca   300
ctcacccagt gcttctgatt cagcactgtg atgctcggtt aanttttaat gaggttntaa   360
atnttttcgt atgtacgagt gtttatgcca acaaagatgc tgaattgtaa acaccancaa   420
tctgagtacc ttcttttgat tncnntctnc atattgaata atccctntat ntttgtgcgt   480
annatgaaat tgcatnngat gtatnggttg anagtagatt ggtnatactt tncaaggaca   540
ggcaacaatt tcacgatnna acttcttaaa aattnttntn aacaaatgtn aaaatggatt   600
nttcttccaa aaaaccnttt ttccntttgg cacatacccca ancaantgac ccngaaattt   660
aaaagtaatt taggngacnn gantttagat gattaagggc nngtttaacn tttggacagt   720
ttttgccctt ttttaaaagg ctcggantcc nnttntagnn aactcgctcc ccnc        774
```

<210> 4033
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> (1)...(769)
<223> n = A,T,C or G

<400> 4033
gnnnnnnntt tnaaancntt gctacttgcn cttgcanttt cccatcgatt cgaattcggc    60
acgaggtaaa catacaataa agctgaaaat tttagtgact acttatatgc tcatcatcta   120
gattctatcc ttgagtaatc tattttata aaggtattga tgtaactatt ttataaatga   180
aaaactacac actaaaaacc aaatatgtga tctccagcat cacagaaatg aaataaggat   240
tttttttaa cttaggtaat attgcttgaa ctgtagtaat tcaaatgtag caatttcaaa   300
ggtagaattt cccatgtatt actatactgc ttcacatcag ctctattaat aaaagtagaa   360
cagttgcaaa ggaacttta tgatctgttt tgacaggaca gacaatttaa aaagttgtta   420
ataaaggttt ttagaattca ctataagcct ttcatgtggc tttagttagc cacatggaga   480
tccgttctgg dacgaaagtt ggaagtattc tcaagaagta aaaaatncca aataatttat   540
aggggcacna gtggtttgaa gtactggtta ggattanaag ngggtcttgg cattgnccan   600
aaaccanact actttgcaca attatncttg aattcctaat catatccact agcctactct   660
cttaaatgac cccagaaacc ttgctcttaa catttaagac aatgggaagg tcttgctttc   720
taaaaatgcc tttattttaa taccccttgc caataaatgg aatttnacn              769


<210> 4034
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 4034
cgcaatttn annatnctct tgttcttttt gcaggatccc atcgattcga attcggcacg    60
agctcaccaa ttagcactgc caccgcaggt ctgtgaattg catgtgaaaa tagaatttgt   120
ccagaagtgc tcatgcaaat tgtgcaacac aaatgtggcc tccatgtcaa gtcctttcac   180
gtgttctgac agactcatgt ctttccagat ttctctgatc ggcgcccccc acccccttga   240
cagttaccag agctcataag ccaaaggaaa tagttcctgt tgccatgagt actgtgtctg   300
tggtgaggtt tatgagctgc tcttagggct gggtttttgc ctgagaaaac aatcagattt   360
cgcttagatc tgcaaganag cagattagga agggaatata tgcaaatatc tatgttaatg   420
ccccaaacct ataacttggc ctcatggtgc ttgtgtagca nttctcttag agaaaacttt   480
ttttgcattt aatatatatt tcatgntttt gaaaatctgt gttcatgcaa agaaacctgg   540
aaagcaaaag catnaggtca aatatgaact tggctntnat tcatataatt ggggtatatc   600
atatcttttg tgacatanaa cngtncttn ataaccatct ttgcttttnc attggaaaaa   660
atncagcttt cctgangagg aatatntttt cantgncnct nttaaacctt tnganngnng   720
tngnngcggn nanggggccc n                                           741


<210> 4035
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 4035
gnnttnanat acagctcttg ttctttttgc aggatcccat cgattcgcag gactcaagat    60
gactttctaa ggtgatttgg ggatgcagtg tatgcatttt tttactcttt ttgaaaaaaa   120
```

```
tcttttcttc gcctttggag tgtaacattt ggatagtttt attcagccca taataggacc        180
aaagggaagg ggataaaaaa aaattcttta aagtacctca gataaaaagg ttttgtgaag        240
aaaaggactc aaaatcctag gttataccaa gactttatgt tcattttgaa ttttctttat        300
tcattttttt cctctctgtg tatagaataa tcaggagata ttggtgggca gaactgttgg        360
ttgataacag gaagcagagt atctgagaaa ggccctcatc ctgtttcctt ttggagctac        420
tgaggcctca catgccagcc attttaggat ttgatgaagg ctagagaaga gttaaactga        480
gccttcactt actcagcatc agtaggaagt agtgttggct acactaaaaa caccgttgtg        540
ccagtgagga tttggggggga aaatgacaag ctgcctgtga taaacaagca aactgtgaca        600
aactttttga tgtgtaggtt ctgaagcttt tcaagtttac cgtcctcaaa agaatattta        660
tatatatata tatgccccac atgcccaatn tngcattata tacctttnga tntacctgga        720
aaganaaaan gatgaaatgg ccngtaaaaa ttgganattt ccagggaacc cgatc            775
```

        <210> 4036
        <211> 782
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(782)
        <223> n = A,T,C or G

        <400> 4036
```
ngnntttnaa tatacaggct cttgttcttt ttgcaggatc ccatcgattc gaattcggca         60
cgagctttag gttcttgatt atgtcactgt aataaagcaa ccaatggacc tttcatctgt        120
aatcagtaaa attgatctac acaagtatct gactgtgaaa gactatttga gagatattga        180
tctaatctgt agtaatgcct tagaatacaa tccagataga gatcctggag atcgtcttat        240
taggcataga gcctgtgctt aagagatac tgcctatgcc ataattaaag aagaacttga        300
tgaagacttt gagcagctct gtgaagaaat tcaggaatct agaaagaaaa gaggttgnag        360
ctcctccaaa tatgccccgt cttactacca tgtgatgcca aancaaaatt ccactcttgt        420
tggtgataaa agatcagacc cagagcagaa tgaaaagctn aagacaccga gtactcctgt        480
ggcttgcagc actcctgctn agttgaagag gaaaattcgc aaaaagtcaa actggtctta        540
ggcaccataa aaaagcgaag gaagatttcc angcaaggga tgatagccag aatgccatag        600
atcacaanaa ttgaaaagtg atccagagga aactnaagga cncaagtgtn gatcataatg        660
aggacccgga aacnccagga aagtcttcng gngggaagaa aattgaaaaa ccngccaaat        720
gccttttgaa agccaaactg ggaattgaga aataattcaa atncttggaa atttaggagn        780
aa                                                                      782
```

        <210> 4037
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 4037
```
aanngtttga anacccngct acttgttctt tttgcaggat cccatcgatt cgaattcggc         60
acgagggttc ataaacacat ggctaacaaa gtaaagcctt caagtctggc acagactctt        120
gactacacga tgggaaaagg gattccaatt acgatttaac ttgtatttta aagatgagaa        180
aagaaatgaa taagaaaatt tgttgctatt tttcttcttc caaattagaa tctatatctc        240
taaaaatact ttgcatgttt agtaaacatc catcttgaac agaagatacc ttgacatcag        300
ttctatttaa tacttatggc aattaagaga tttagaaagc agaggaaaag accaaaaaaa        360
agtatgtgtt acaaagtgtc atcatgcttg taggacccca gcattcttga aactaacgca        420
```

```
cctttaaaaa gtaatattta cactgctgta aatatttgca aagtatcaat gtttaattca      480
cttagaattt taaggattat ggatttacta gcgaaaattc ccctaaagca actttcccat      540
atcagtaact tttatttagg gaaacaagtt taatgtcata atacatgtga ccttggaatt      600
caatagaatt ttcgaaacta gaagtaactc agaaccgttc actagatgtg ttttaaaggg      660
ctnttttgat actggcctta acatttgctt atttgcaaat taatatgtaa agaatgggtt      720
ctaaaagtaa gttttaagga atgggtattt cnncaaaaat gttatttcct attnc          775
```

```
        <210> 4038
        <211> 825
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(825)
        <223> n = A,T,C or G

        <400> 4038
ngnnntttna gatacagctc ttgttctttn tgcaggatcc catcgattcg aattcggcac       60
gagcccaaac ctaatttagg agtaaatttt ttgtagcaga tagccagatt tcagccaatc      120
acaggcttcc agctaacaag actatgccca aataaggcaa atgcctcatc acatgatgct      180
caaatnaggc agccacctag gcnaggccaa tcaggtaact tttctacttt gcttaattgt      240
tcagcctgta caaatttgct gcttatgact gctgagcaga gctgtctnaa cctcttctgg      300
tttggagtgc tgccttatat atgaattggt cctttggtcac ataaaattgg ttaaatttaa     360
cttctctaaa gttttgtatt aaattgtatg taaaacattg gtagcacaat ttggattcag      420
atacccaaat attgactatg ataatgtaaa taatccttaa gcagactgat ttacaaaggc      480
ctgaacaagt ttgatattct gaatattcac ttcttctgat gaaaaaattg ccaagacctt      540
ncaattggca gggaaaaaaa atgtgtgttg gttaaataag ttatgtttaa caaccaagaa      600
catttaccac aanttaggaa aactctttac ctatggccca nggcacctat ttttaaacca      660
cacccttttg gtaccctttt ttttaaaattc ctngaaaaaa attttnttaa attaaaatat      720
ggccttttta aatatttaat ttggnanttt taatanttta angtggnant tttaaatatt      780
tggcccccct gtttttttggg ggaaattaat tgccngcaat ttaan                    825
```

```
        <210> 4039
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 4039
gnnnnnnnnn ngnnnttttn aatatacagg ctacttgttc tttctgcagg atcccatcga       60
ttcgaggata tgttgcacta gtngttcctt gtgactggaa tattctctgc ccaaactttg      120
aaaggctagt tagttacttc tcatcattcg ggcttaggtt aagtgtttcc tccttagagt      180
tcttccttga tttatcttcc ccccagtcta aagtgccagt cacattaatc tgacatattt      240
ctccatacag cactcatcac tgattgatna aaaatctatt ttgccatntt tctctctcac      300
tggaatatta tgtgctcatn aagaagctac tcgtgtatan tgntcctgat cgtctgngct      360
gcataacaga ttacctgtgt catataaggt gcacaataac tatatgcgnt gcgtgaatga      420
ncaaacgttc tctccagtct nttttcaaat cttctattcc atcacgactg aaccaaaagg      480
aaatgtacta gacgttctgt ctggcagcct tgttccatgc ttagcctttc antgattgcc      540
antatctttn atgatgctgg gccttngcct tnaccatggc tagaatgtta gantnatgaa      600
cnaananatg ccattttgat ccctgctgcg ttcacctnan tatggngcct ggcaagcctt      660
taanaacntn atnactcagt gnaccaaatg aatgagtaaa cgaccttttn natcctttna      720
```

1257

```
aggaantnaa ttngcctgnt tataggnaat ngttggancc naattccaac ttnggccaat    780
tggaaaccc                                                            789
```

```
        <210> 4040
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 4040
gnnttttttn gatacagctc ttgttctttt tgcaggatcc ctcgattcga attcggcacg     60
aggcagtctc ctgagccaga gtgtgctcag acagagtcca gctggtggaa agggacttat    120
ggagagaaaa agaaaagcga tgtagaaaaa ttgaaaagag gtacagaaac agctggattg    180
gttacagctc ggtgtttgcc ttattttgaa cagggtttga acagttggcc acctttggtt    240
gctcaaaact tggtgattgg cacaagagta ggttacagtc tgtttgcaca tccatttagg    300
ttgcagttca ctgtgtacag agaaaccttt aggctgaact taaaacgtgt aaggagacag    360
ctttctgctt gatttaacag taacacgggt gtgtgttggg aggtagggag gtgggggctc    420
tttcttntnt nannntgnct ttttncacaa canttntgan gantnagctt gtnatgnatt    480
tgngcaactg nttntttntg tnattntaan cnngancnnn cnnnnnactn attttnanat    540
ttnanaaaan tncatnnnnc nngcnnancc ttnctttnnn tnctgncnaa tnnnnngnng    600
nnctnnnnac nnannatnng nntnntgnnc tgnntnngnt ttntttttnnn aananntnnt    660
ntnnggnnnn nnnnnnnnnt nctntttnna anncnnnnnn nngnnttnnc nnggnnnnna    720
annnnnnnnn nnntnnncnn nnnnnnnnnn nt                                  752
```

```
        <210> 4041
        <211> 764
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(764)
        <223> n = A,T,C or G

        <400> 4041
gnntttnnaa tcagctcttg ttcttttttgc aggatccctc gattcgaatt cggcacgagg     60
tcagcccagc tcacggcccct ggctgcccaa cagcaggccg caggggaagga ggagaagagc    120
aatggcagag agcaagattt gccgctggca gaggcagtac ggcccaaaac gccacccgtt    180
gtaatcaaat ctcagcttaa aactcaagag gatgaggaag aaatttctac tagcccaggt    240
gtttctgagt ttgtcagtga tgccttcgat gcctgtaacc taaatcagga agatctaagg    300
aaagaaatgg agcaactagt gcttgacaaa aagcaagagg agacagccgt actggaagag    360
gattctgcag attgggaaaa agaactgcag caggaacttc aagaatatga agtggtgaca    420
gaatctgaaa aacgagatga aaactgggat aaggaaatag agaaaatgct tcaagaggaa    480
aattagctgt tcctgaaata gaagaataat ccttaacagt ctgcaaactg acattaaatt    540
ctagatgttg acaattactg aatcagaagg catgaagag tataatttta tgaaattcaa    600
aattattctt ttttcaagtt gaaacttgcc tcttctactt taaaaaagtn tntngaacca    660
gttacttcta ataatcagaa aggagatgtt ttatnggaca tttctttaat ataaagttag    720
agatgtcttc ttagcagtat ggctatcttt tgccacagaa cata                    764
```

```
        <210> 4042
        <211> 757
        <212> DNA
```

```
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4042
gnnntttat agatacagct cttgttcttt ttgcaggatc ccatcgattc gaattcggca      60
cgaggtttta tacattttat gttctttgca aaactggagc cccagaaaga atacaaagtg     120
agcttctgtt cccacttctc ccagaatagc ctaggatggg caaccatgta aaattcaata     180
aaaatccaac cttctaacta actcgtggtg ttggagagta ttaagcattt gaaaagttca     240
ggtagaattt tcatcctttt tgagctcttt cctagctgct ttgctgtgat atatctgtca     300
ctccagatga gggagtagtg gtggaaaagg aatgcattct cagattcatt gttggtagtt     360
caaaagaaaa taagtaaacc ttattcattc tctgaagtac tttccaccac tactacaact     420
gatccaagaa aacaatttcc cattggatgg tattattcag agtgttatta acaatcagtc     480
ctgaattttt cagaatagta ctaaagttgt cttttttttt aatgggttcc ttncttcaag     540
gttatagtaa agctttttta taaccttcaa agaatacaaa gtggaatttg taatttatng     600
gatatacatt cctagtttac aggtactatt taaagctggc aaatttanat naagatgcct     660
tccctttaaa ttgccccttt aaatctatgg catgtctcac ttaagagttc caatttcaga     720
atttcatggc aacttgggaa acggcntgan ggaattt                              757

        <210> 4043
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 4043
nggtntttna aaancngccc gttctttgcg gaccctcgat tcgaattcgg cacgagcttg      60
aagtagaatt tttttttcatt ccttacactt ctcagtgagt ggtaactgta gttnttgcta    120
tcatttttca ttttcgtttt tgcagttgaa catacttttt tcactcagag agttggaggg     180
acttgcccaa nactgcccaa tggcaatgag atttcaacct caaatcaatg ttctttttaa     240
tgcaagatga taaagagtng gattcancct aatttaggat agaataaagc caaatanttt     300
aggataggtt ctttggtgtt catgggtgta atctaatgcc catgatgcaa gtggcagagt     360
anagaattag tgcacagcaa taattaaagt gacatattgc caaggaagc ggttntagcc      420
cattatataa tacctttaa aggacagacg catactcagg tttatttac ctgctgagct       480
tctgccttag aagttttcag aattgtgatt acattgaata ggaaaaaagt ctgaactatc     540
agaaaccagt gccgcaactt tgacaaacaa ctgattatta taataatctg cctctagcat     600
gagactatnt taattattat ttaagctctg gnggacttca ttaagcagcc cagtnaccac     660
cngaaaggtt aaagattatt aaaatggaaa ggaatggtta ccaattnggt tattaattcc     720
gggaacccttt aaggcangga aaaatgggct ttgaaacccc aaaaggtgg gaaggctgca     780
antgaac                                                               787

        <210> 4044
        <211> 768
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(768)
```

1259

<223> n = A,T,C or G

<400> 4044

```
ngnnntnttt nnaaatacac gctcgttctn tttgcangat cccatcgatt cgaattcggc    60
acgagggggga aagttttcag ttgtattatn agntggattc tgactatttg ccataactgt   120
attctataca cttgctgaaa acattgaatt agggaatact gaatcatggc tcctaaggga   180
aagacagggt taggttcctg gaagcctctg gtcacaacat tttcaccaac tgatcaatag   240
ataaccttgt tntgtttatg tntgtgttta gagacattta atatatatng ttgacttact   300
aacatcgaac tcatggccaa tagcactata acttacggct gaacaaagct tatcaagtct   360
tttctctata aggcacatcc caccttcttg cacttaggag cactagacgg catttctcag   420
cactatacaa ggggctattt aaaacagaat aatcacccac aaaaagcaca acaattcana   480
aaaannaaaa gcnaaagtct tananaacan aacattgcat aananttnan aatcagnaaa   540
aanttngccc tttaaaccnt taggggncgn ttcccanngn ccnancntna tangatccat   600
tggtaanttt gggacaancc ncanttgaag gcnntgaaaa aaagctnntt tngggaaatt   660
tgnnatctnt ngnttaattt ggaacctttt nacncncttt aaccnnttnc cacntccntt   720
gnattnattn nntnttnang gttcangggg aaggttttgg naagtntt             768
```

<210> 4045
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 4045

```
ttgtcttttt gcaggatccc atcgattcga attcggcacg agaacatgag ggccctctat    60
gccagaagtg aattcatctc acaaaacatg ttgactctag actggtgcct cctccagcta   120
ctactacccc cattagtcac ctagtaaaaa atgacgacat ttcatcacct gcacatgaac   180
cgctttcccc ccatttctta atcatgaatt nctgtgtctt aaattattaa tggctaagac   240
taggtctggc agtaaattnc tntctcctgg attttttggcc caactcgagt attttttgaaa   300
aaccgacaca gtattttagg ggagcccaaa aaccatgatg ggaaaaagaa tgagctggtt   360
gtaaaggaag agggtggcag agcccctctc cagcagtgct cacaggact tccccagggc   420
accaggcacc atctggagac ggntttggtc acactgggat tgcggggagt cacctagtgg   480
gtggaggggc cagggatgct gctgaacacc caaagtgcac aggatggctg cagtcganca   540
tgtcaganaa agggtctggc cccaaaagcc actcgcgccg gtggctgana caacttgga   600
gcaagggaac cctttggtca aggnccccan gttttttaag ctaaacgta aancaggaac   660
cattcaagcc aagaaggagt tcccaggnac gttttttttn ttanggaatg gacccttaa   720
gaaaaattga aaancatnnt tacccatggg gttnaacccc catggaaatt tccgggccaa   780
attccaagtn cctn                                                 794
```

<210> 4046
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> n = A,T,C or G

<400> 4046

```
ntgnntttta atactngctc tcgttctttn tgcaggatcc ctcgattcga attcggcacg    60
agactgtgga gagatctcag ttttctatc tgtaattgct catattttga atgctaagtt   120
```

```
ttcatcaacc ataattttta cgtgctctaa tatgtttctt cacagattca tgccatgttc      180
agtttaaaag agtcctgttc ttttaataca ttatctttga aatgcctctt actgaggaat      240
gactaaactt cttctgaaat gtgctctctg gattgaagtc aagagtacat gttgcaacaa      300
agataatcat gacttttagt attaagagac aattaccaga ttgagtgcta cttanaaaag      360
tttccctccc tgtgcagaga ttactggctt atcaaacaac ccgccccatg tgggccatat      420
atnattgaga taattantnt ccaactgata ctaaaaggng taattgggat aaattaattt      480
tagcaaagag tcctgtntcc aaagaaattg ggtcatgtat ttggcaatta ccaaaaagtc      540
agtngtcaaa tatgaatgat accgtggtgt gcagtgaaca atcaatttac tnaagggagg      600
ctggccttta ccttcgctct tngagacanc tctagcctgg aaatcatgcc tgataggatg      660
tcttncttgn ganggactga aaataaagaa tacctgaaat ctggangatt ttaagaggtg      720
gtgtgaatct gttnaagaaa ggtgaggaan                                       750
```

        <210> 4047
        <211> 824
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(824)
        <223> n = A,T,C or G

        <400> 4047

```
cccttttnaan tcccttgttg tnnannagnt nggaaactna agcttcgtaa aaganaggnt       60
tgggaatnng gcncggggag gaagcattca catatnctag aatantatga cttggctatc      120
aaccccttgc cggctgnagc tccccatnng ctgtagtcct gtatgtgcta tacccaacct      180
anagcacggc gccatgcctg gctaatttat nctcataact ttctacagag atggggtctc      240
actatgttgc ccatnctggt cttnaactcc tgncttcaag tgatctncng cctgagcctn      300
ccaaagtgct gcgattatan acttnaancn atcgacttgg ctcaaatctt ngttntaatt      360
ggnccttttng tcagaaagaa tgtgccactc tgaantttgt tccnnatatt gnnntcttna      420
atcacttnna acctattnta cannnatntt natttnctca tgaaantgct gggattatnn      480
acatnaccaa atagtgcttg gctcaaatat tcgnttcaat agnnnctttn atnncanaag      540
actntgccac tnttgatttn gnntcangng tgttaagctt agtancttgc acttanctgg      600
aacctattat ncntttnaat tttacttnna tnncatcttn ctaatcnnaa tntcnatctn      660
naatnnanct ttntaatnnc atctacnncc ngnttttnna attttnctga tnactggnct      720
anttttancc ggnnnttnta aataacgnnc nnaccnanat ntntangcat nnactcttcc      780
cntgtanttt tctncnaata aatntnncgg naanatacnn nacc                       824
```

        <210> 4048
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 4048

```
ttctaatgct tggttctaat ncntgggctc tnganctttc tgcaggatcc cntngatncg       60
tataatctgg gggtacagag caagaagaag tactttgact ttgaggagat tctggccttt      120
gtcaaccacc actgggagct cctgcagctt ggcaagctca ccagcacccc agtgacagat      180
cgaggaccac atctcctcaa cgctctgaac agttataaaa gccggttcct ctgcggcaag      240
gagatcaaga agaagaagtg catcttccgc ctgcgcatcc gcgtcccacc caacccgcca      300
gggaagctgc tgcctgacaa aggactgctg ccaaatgaga acagcgcctc ctctgagctg      360
cgtaagagag gaaagagcaa gcctggtttg ttgcctcacg aattccagca gcagaaaagg      420
```

1261

```
cgagtttata gaagaaaaag atcaaagttt ttgctggaag atgctattct ccgagcttcg      480
caatgccgct aaggacgaca agaagaagaa ggacgctgga aagtcggnca agaaagacaa      540
agacccagtg aacaaatccg ggggcaaggc caaaaagaag aagtggtcaa aggcaaagtt      600
cgggacaagc tcaataactt tagtcttgtt tgacaaaagc taccctatga taaactcttg      660
taaggaagtt tccaactatt aacttataac cccaacttgt ggtctcttga agagactgga      720
agattcgang cttccttggc caagggcagc cctttaagga ncttccttat taaangann      779
```

```
        <210> 4049
        <211> 805
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(805)
        <223> n = A,T,C or G

        <400> 4049
ttccaanngg ctnggttctn atncttggcn annaaaantn ggtnggaatt cggcacgagc       60
tttgcagcct tttcctgccc ttaaatttga tacctttggt gtaggagctg cataagngac      120
agttgctgnt tttacgttnn cacgcgtgat cttgaccctg ctagcctgaa gtgtatggtt      180
tctcttagcc agttctaatt tttgttcagg tggaagatgg atgcctgaag tgtagactgc      240
tgctagctga ataccatntg ggagcataaa ggtgacctga aggtagggng atatgtctta      300
aagcactttg taatgggaat ttttatcacc ttttaaattg gggttccttc tctagtgagt      360
tttaatgtca gtaggtacat tcngtantgt tgctctgtct gtagctatta aggngagtta      420
ataaatggga tagcctccac agcttatttt tgggaaggtt ttgctgatac ttcctgagaa      480
gcccanggaa ataaatacgc atagtctggc attctgcatc ttctttaaga tttgtttnta      540
tgtgtangta attgagtttt ttaaaagctt gngaaatcng cangcatatt accaaagttc      600
ttgattaaaa tggtaatnnc aanaaatntt tngctgtcna attgagtacn tttaatttca      660
nctcttaatg atggnccntc ggtgnangga ttttgaaaaa ttccgaatct ttcaccatng      720
aacttaccct aggaattcan tttnganaat tnnncatggn naantcttgn nnggantacc      780
tgaaccataa atttcccngg tcncg                                           805
```

```
        <210> 4050
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 4050
tccccttttg aaccttgtcc aatnagtctn ggttctaatc ncttntcnan nagnnaggng       60
ntgggaattc ggcacgagta ttagtgataa gtatatatgg acatcttttg gaacaaagat      120
aactaacaaa agacaagaat tttcaagaag gaaaacaaag aaaaaaaggt aatcagggta      180
tgttacatag nttanctgct tatagttntt ctttggttct gctcatggaa acacaatgac      240
tatcaatcta agtaagacta aatatatta gaaggatggg tgatgagaag tgtgaagtgt      300
tgcaaaggta aatccttatc ttccgctatg aagtatcaat aagcaatgcc caaaaaaatg      360
aactattaag aagtaactgt aaagttatat catttanaga tagagtggag tatagcaaat      420
gaatcagcta aaatatnttn aaaatgggta ccctctgggg agtggaagat acatgtatgt      480
attgngggtg ggggatgcac tgcaatgaga tttctttttt ttaatccttg tggtactact      540
tagntctcta aactatttgc atctataact ttgctaaaaa taacntttaa atttncaaat      600
tgatcactct tgtnatcagt tcaaatngaa acaaggagat aacataattg ctaagnttat      660
ttttggcata ttnatcacnt tgtatatgtn tcantgagaa taccatgtta cattcctctc      720
```

```
aagcangtnc ttcttaaagt cnaaattgct gnattatttc tcaaaaacna ttntngnant    780
ncactttng                                                            789
```

```
        <210> 4051
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 4051
gcgtcccccct tttgaaactc ttcaaatccc ttggttttnaa nccctttncg caggatccca    60
tcgattcgaa ttcggcacga gatttgcctt aatcttgggt tactagtaat gctatctgcg   120
ctgtgcgtct aaagcctcca gaaagattgc tcaggcatgg cctaatagct tttatcagtt   180
cactcagtgg ctcttacact ttgatacctg aaacctagag ttaactgtgt aggaccaagc   240
tcttctgaag gagtcaactg ctctcctctg tcaataatgg ctgtttatgc caaaacagcc   300
aagagaacct cccccacccc ttccctctgt caaagtgaaa tggaacctaa gaatggaagc   360
tagtggctat tttgccatac cccaaccaac ttgctattgc ttaattccat ctaattatca   420
gctgggcgtc gtggctcatg cctgtaatcc catcactttg gtaggccgag gcaggaggat   480
cactagaggt caggagtttg agaacagcct ggccaacatg gtgaaaccct gtctctaata   540
aagataaaaa aattagctgg gtatagtgat gggtgcctat aatcccagct actgggaggc   600
tgangcagga gagttgcttg aacttgggag gcagcagttg cagtgagctg agattgtgcc   660
cctgcactca aagtctgggc gacagantga gactctatct taaaaaaaaa aaaannaaaa   720
aaaactcgac ctntagaact atagtggagt cgtattacgt agatccnact gataggatcc   780
attgg                                                               785
```

```
        <210> 4052
        <211> 813
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(813)
        <223> n = A,T,C or G

        <400> 4052
agtctccctt ttaanccttt caaatccctt ggttcangcc tttacgcagg atcccatcga    60
ttcgaattcg gcacgagctt gagagaatag atctagatgg gtggggcacg gttctggggga   120
atggaagggc caaagaggaa agtgggcaat ggtggggttg agaacgcagc ttctggactc   180
agcaggcctg ggttcaaact ctgttaatca ctcctgttaa tcccagcgct ttgggaagcc   240
aaggagggag gatcacttga ggccaggagt tcaagaccag cctgggcaac ataatgagat   300
tccatctcta caaaaaataa aaacaattag ccaggtgtgg tggtgcacac ctgtagttcc   360
aggtacttgg aaggctgang caggagaatt gcttgagcct gngagtagtg agtcatgagt   420
gcagtggcac gatcatggct cacttgcagc cttgacttct naggcttagg tgaccccca   480
acctcatcct cccaggtggc tgaaactaca ggcacatgcc accatgccca agctgatttt   540
tttgtagaga cagggcttca ccatgttgcc aagctagtct acaaaagcat ctganttttg   600
gaagtacatg gaatttgttg taacaaaant atnttgaatg gaaatggctc tcantgtatt   660
tntggaattt tccattaaat aatttggctt ttttccttga aaaaacatan nnctnctttn   720
tnntntnnat acttnccccct tnnttantat tatanaatnt cnttcnagcc ctttnncaan   780
ttntcntgga nttnnttatt ncattttatc cct                                 813
```

```
        <210> 4053
```

```
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 4053
tttgaaatcc ctggtttcaa ntccttgcgc aggatccctc gattcgaatt cggcacgagg    60
cgtccttcag atatcaaatt caagcctcta aataagacca aggagtatac agcctgtgaa   120
ctgatgaaca tatacaagac tgacaatcac ctgaaacatt atttacatat cattgaaaac   180
aaacccctgt atccagttat ctatgatagc aatggtgtcg tcctttcaat gcctcccatc   240
atcaatgggg atcattccag aataacagta aatactagaa atatttttat tgaatgcacg   300
ggaactgact ttactaaggc aaaaatagtt cttgatatta ttgtcaccat gttcagtgaa   360
tattgtgaga atcaatttac ggtcgaagct gctgaagtgg tttttcctaa tggaaaatca   420
catcctttc cagaattagc ttaccgaaag gagatggtga gagctgacct aattaacaaa    480
aaagttggaa tcagagaaac tccagaaaat cttgccaaac ttctgaccag gatgtattta   540
aaatcagaag tcataggtga tgggaatcag attgagattg aaatccctnc aaccagagct   600
gacattatcc atgcatgtga tattgnagaa natgcagcta ttgcttatgg atntaacaac   660
attcagatga ctcttcccga aaactttcac cattagctta atcaatttcc tcttaataag   720
ctcactgaac ttnttcgaca tgaccatggg cannccgttg gcttcacttg aaccactt     778
```

```
<210> 4054
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(744)
<223> n = A,T,C or G

<400> 4054
agtctatanc agctctgttc tttttgcagg atccatcgat tcganttgng nacnangttn    60
gtgcttnacc actgcttact canggcccgc nctttgcccg catttntgca natcnnaccc   120
ctancccang agcctctggc agacttaana gcctgctgnc ctcaccagng nnccnacatn   180
gccggnctga gancnagtgn ngagtcacag nctcagncan aatgccnaac gcctcnanct   240
gntcctgacn gntnccnagg ggacaccata tagccttagt catgnntcat atgcccggan   300
gaatcttccc ccaganggga ctatcctagn cnacnagatt tgtgtcnaaa tntctgcttg   360
ntgttngaac ctncanacna tatggnanng acacactatg gaagtctgga attncatgga   420
natttnatga tatgaantaa ntgtgtangc tcctggcata gcaatgntgt nttacttcgg   480
agntnaanng annctggacg ttgcngacnt gntccntaat ncaangcacc ctnatggang   540
atagcnggac atnctgggct tgnnnatnga tcctgntgaa gcaannctgc gntgtgatta   600
ttacccgtng gctggngncc accagcactg gctaatgctn tacggctnna gtntctttgt   660
cagnntattn aatggntatg taaactttna gaattaaant gggnnctntt gngnnngant   720
annttaacct tacntntttc ctat                                          744
```

```
<210> 4055
<211> 1017
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<222> (1)...(1017)
<223> n = A,T,C or G

<400> 4055

```
gttncttcca tcagctcttg ttcttttttgc aggatccctc gattcgcttt tttatagtga    60
tcacttttga attgtgttca gatatgcagt ttcaggtgta atcatcagag ctggttagtc    120
aggcattcca gatagtggtt cttttcagaa cctttttaaa agggttggtt aactacctca    180
gtagcagagg attgaactat accctgtctg tactgtacat agaaaatctt tgtagataaa    240
agcaaggctt gntnaatatg atatgagggt aagattttnn atanaccnan tgtaacnttc    300
ttagngcctt tagttncaag aggcttgcat acttnntnat naccantatn acacgcctng    360
nntttntcnn annnnnctnc tgcacacaca naccntntnt tnctngtatt tctgntncga    420
cannentnnn ctntcntctt acccnncctn ctnantnncc nttncctccc nnntccnccc    480
cccncgacac ttactnctnn cctncnncct nnccctcnnc tnnnnnnnncn nnnntntncc    540
ncncccnnnn nntcnnnact atctnntccc nnctanngtc tnncttncnn tcnantntnt    600
gcntcnncnn ttctnntttn ttcnntcatn tcncancnnc ctgnnncctn nnccnnnnnc    660
tnncnncntn tnttnaccnn ngncnctcnt ctcttnnngn nctntcnnnt cntnctcnct    720
cncnnnntnn ngctnnnnat nctnntntat ntcntcnnnn ntnncacnnt cncntntcan    780
cntctgttcn nnctctcann tcatcnntac tncnntntnn cctnnnncnn ncgcnncnnt    840
ctctctnnan nttccncant nnnntcnnnn anncnncttg atctncatcn nnnttctcnt    900
ncncatgntn ncnntcccnn atttcntatn nngnnngntt acctnctntc nnnatcnntc    960
nnnttacnnt catcnccccc ctgntntccn ntncgnatcn tcnannccnn tntcncg    1017
```

<210> 4056
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 4056

```
tntttanana tacagctctt ggttcttttt gcaggatccc atcgattcga attcggcacg    60
agggcagaga atcccttgta gaaaggtggg ggagaatcat aggatattat aactgtaagg    120
aacatgcaag attttccaga ttatacccctt gatagaatag ataagttcct taaggctcag    180
atcttgctta aagtcgtcca gcctgttaga dacaagtaga acacgaagct ggcctctgga    240
gtctttattg agtactttgt acaattggtg tagactggga gagccctcct cacttccccct    300
ttcttgtgct gtaatttcct gtggggcaga acacctcaga ggtttctgtg catcaaaata    360
agatgcagca aagacatgga aaaaggataa cgagacanat tccancanta agtagatnag    420
gttgngtttt ttataaaaga taacgaggca ttccttccag aaatgtggag cctttgtaga    480
tttcagtgca taaaacccaa ccatgatttc ctgcagtgat cacagagcag agangggaga    540
aagcccttttt atcacnaacc ancaggaagt ctctgtaaaa tnggtaagga ttctggttta    600
ntgtgaagaa ccccattttt gngtatgttc tgggccctgg gaaggacaga tcatatttga    660
cntcanaata aatgatcagg ccagcatggt ggttactctg aatcctaccc tttggaagct    720
taagtggagg attgcttanc ccanant    747
```

<210> 4057
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 4057

```
ngtattcaca agcgctngtt cttttttgcag gatcccatcg attcgtgaaa atacttatct      60
atagaaacag tgttgtaaat aagagagtct cagattatca aatgaaactt atttaaatcc     120
atgtaactga actaataata ccagctgcag ttttatcctg gctgtaagga ctaccatgat     180
gggaaaaaat aagaggaaac cttaccctcc cccacattcc cacatgacca gcagcataag     240
ggctccaggt taccacagta tccatcattt gtcttatggc cacccaagta cacctgttta     300
catgacttac tgggcctgtg tagaaattgc agtttgtgat aggatcccag tatagaatca     360
cagaaactga cttttgaagg gtaatgtaaa ggctatttgt atctaacact ttttttaaaaa     420
acagtatgct tttgtttttat ttattggagt atatttttga agtccctgtc ctctgtcact     480
gctcagagta attatcatct ggtttatatt ttctagagtt ttttgtgatn ctataaatta     540
tgtcttttgt tatgtaacac atgtaatttt tttacaacaa atgnggntaa tgctatacca     600
taatctacta caactttgaa ngggtttccc ccgtggttgg ctactttgga tctggccttg     660
gtngatattt tatatnttat antataggct ctcgttngtt aaattccatt taaccaactt     720
ccntggaaan ttcccattct ttgaaatggn cccattaant tatttaaatt antttccctc     780
ttgggagg                                                             788
```

<210> 4058
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4058

```
gtnagataca gctctgttct ttttgcagga tccctcgatt cgaattcggc acgagatgag      60
gtgtgangcc nttnaatccg aanaagngcn cnaagantga gaacgtgatt gcntgaaatg     120
ttcatccaga natcttggna tataggagaa caggggggaga ctngattgat taggttggna     180
atatttgtcc tatggaccac ggtaacgggg nttagcnttc atagtatgta accaggantg     240
gnagnnggag tcatagagta tnggnnctct tnatcccagg agattcccaa tggggncagt     300
atctactgnc cttnnngaga gaccatgctn ngctgtctnt tttanggnna atcannaatt     360
tagtggtcgc ccctncaatc ttcattccac tcatccntac cctnttggca ttcttaatgt     420
natttgtggc cctgtcctta tcattttaca agggtaaatt ntcntccaga tatangaacn     480
tgtttactaa actttaagcn cnttaantta aacatcntta cctaagaaca ntcntggtnn     540
caannggagg ttnacaaggg gctagcgctn taaaaccact ctncttnttt nccggaagat     600
tgccnntctg ancttgtaag ntnnangattc ntgtggacan gaaganttgt ggcatnacng     660
tttnacngnt gggttactan tgcacntgtc aactngnngn gaaatgtcnt ggatacaang     720
tgtnatgggg ntgaatttna acgggacnca anggtggngg c                        761
```

<210> 4059
<211> 804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(804)
<223> n = A,T,C or G

<400> 4059

```
ggnnnnnttg tctatagctg gctctcgtct ttctgcagga tcccatcgat tcgaattcgg      60
cacgagccat cngtgnctng cnangggcct gccccatagg atggcctcag caaattttca     120
gtgaactcaa gttcattgan ttccaattng tgaaataaac tagagggcct ctctgaactg     180
ccngcctnat gagaangact gtgannagta nccngnccaa nacagactga ctgtgacaaa     240
```

1266

```
nctagananc attacaggtt tctgagaaag aangaaggtt caagttcaca ttggtactgt      300
gaccacgnca gctcattgcc ctcctanacn gggctctgca agctttctnt ttactggagg      360
ctgnactact cttttnaagct gnaacagtgt gattataanc ccnnantngg cccccctttga    420
cancatcttt acaataatgc tcttggttcc tcaaccngct ggtgactctg aaagctgatg      480
nngacgggnt gccaaaantc atnatatann cagcctncna aangcngtga tctctncatg      540
anctcatgna nccttaaacn cgtgcttgcc cnttnttta caccnttaac aatnttgaca       600
tncacctnna tgcctntngc gaantcaaat ncccgtangt ccaggcttga aaangaaaca      660
cccgttntag gttgggacct ttccacaagn tcctatgcn ggggnaanaa caatgnnttc       720
attgnnnnga naatncgtca atcccattgg nttttanttn gtnccttttc aaacgcgngc      780
cttttaaana tngttggnaa cccc                                            804
```

```
        <210> 4060
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 4060
ttnntcagct cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgagcccagc      60
cataatggag cctgaaatca ggaattcatg tttcaaggtt acatgtacaa atgtatgccc      120
tctcagaaca atggccattt tgagaaagcc agtgagagac agccagacca ggtcctctgg      180
cctagcaccc accagtgcct gccagctcag cccaagtctc ctcacctagg atagcttgat      240
ggaataacaa tgtattttaa ttttctgtag acctaaaact gctcttaaaa agtctatttt      300
aaaaatccat cattaaaaca cagactttct ccataataag aagttggagg ggctgggcac      360
ggtggctcgc acctgtaatc ccagtacttt gggaggccga ggcagatgga tcacgaggtc      420
aggagctcga gaccatcctg gccaacatgg tgaaaccccg tctctactaa aaatacaaaa      480
attagctggg tatggtggcg cacgcctata gtcccagcta tttgggaggc tgaggcagga     540
gaattgcttg agcctggaag gtggaagttg cantgagccg agatcgtgcc actgnacttt      600
tagcctggcg acaaantgag actccgtctn aaaaaaaaaa aaaaaaactc gnccttttag       660
actatagnga gtcgtattcg tagatccagc atgataggat ccttgatgaa tttggacaac      720
cacacttgat gccgtgaaaa aatgcttntt                                       750
```

```
        <210> 4061
        <211> 851
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(851)
        <223> n = A,T,C or G

        <400> 4061
anaannngtc aatgctggct actcgnctnt ctgcaggatc ccatgcgatt cgcttgaacc      60
tgggaggcan aggttgtggn gaantcaaga tcangccact gcactccagn ctgggtgacn      120
ngagcagnga ctccatctca agaaanaagt nantaacnaa tnnttcgngn atgtgatgac      180
tgactntagt cnttatggaa aataacttcn ggcagctnag tanctactgg tcancaattc      240
cgntgtntaa gagangtnct acantcnant nctcaatatt ntcagnctga tttcaatacn      300
gacacgcnac cactgaaatg cngaaagatg gnaatcanag tgtgatgttn ntatnnaant      360
ctcgagattc acatgtaatn agacccttta ncttnaatga tcacnacatn anaatggnga      420
catgatctta acttgggaac atatggantn tgtatttgnn aattntagnn tcacanacnt      480
atccctatga ntgngacacn catgnctgaa atctaagctt tanaatattn nctntgtcag      540
```

```
tnaaacagca tgnttncatg cnnactgaan ctaanntccc aaatnaantg ntcatttttg    600
gatngnnngn ancacattgt naaccaattc gttgncaact tntgnntanc aaaatnnnna    660
ccatanctcn nntggnaccn atggaaggga tnnnatnnna ncaanaancc ttnggnnccc    720
ntctangnnc ctnttngtag angncncaan ttcccnctcn tgnnccanga catggnncnn    780
ggantacccc ttcattaatt ttggctnnta tanccctcaan anttgaaatt ccnnnnncna    840
naaattnnnc t                                                        851
```

        <210> 4062
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 4062

```
ngnnttnatc agctcttgtt cttttgcagg atccctcgat tcgaattcgg cacgagcttc     60
cttgtataat actgatcatt ctattttagc ggtaagaacc caagaaggag tatggatacc    120
tgtaaagctt tctggtcctt gggaagcctc tccttctgtg catattatta ctgaaattct    180
tcaaaagatt ctgagatgct ctcagtgttt cattgctact ttaattttaa tcattatggg    240
attgattgct gtcacagcta ctgccgcggc agctggagtt gctttgcatt tcacagtaca    300
aacagcagac tatgtaaata attggcagaa aaattctact ttgctgtgga attcccaaac    360
taatatggac cagaaactag ctaatcaaat caattatctc caacaaactg taatgtggct    420
aggagattga gtagttagtc tagaatatag aatgcagtta caatgtgatt ggaatacttc    480
tgattttttgc attactcctc atctgtataa tgaaagacag catgagtggg aaagagttaa    540
gaaacatttg aaaggtcata ctggaaattt actttagata ttatgcaact gaaggacaaa    600
tatttcaatc ttctctggca catctgacac taatgccagg aactgaantg cttgaaggcg    660
cttcaaatgg attagcagct attaacccat taaaatggat caagacnaaa naaaaaaaaa    720
aaaactcgan cctnttaaaa ctatagngag tcgtattcgt aa                      762
```

        <210> 4063
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G

        <400> 4063

```
gtttatncag ctctgttctt ttgcaggacc ctcgattcga attcggcacg aggtcagagg     60
tcaacaatga gtatgtggca ataacaggat tcaaacccag atctgttagc ttccaaagtc    120
cttggtctta catgctaccc actagttcct tggagggggc tccggaccat ggaggtcaca    180
caccagtgct ccgagtgtgg tcctcacagc acctgcatca acatgaggtt gggatttgat    240
taaaagtgga tttctggggc cacccacatt ctgaatctaa agttctgggt gtggttttag    300
gaacctgtgc ttttaacaag tacccttagt gatttatata cttactaaac acttgagaat    360
cactgatctt tccagtgtgg tgtgacttat agacagtgtt ggacagaaat gaaacaaagg    420
agaaagatga agcacagaca gaaagagctg ggaggatgcc ctgcatgttc ttatatctgt    480
aaatacgcat ctcttctcct ttgtctcagc ccttgctgtt taaatctaga cccttacatt    540
tttcaactat ttggctccag cctncccttg cctgactcct ggctttgtat attacctctc    600
tttcctgact ttcactgcct tttacaagtt tgcattttct gctcattttt agaagatcct    660
actaagggcc aaaggaaaat acactgtaca gaaacctaaa attaagccct ttagaactat    720
agtgagtccg tattacgtag atccagacat gataggatt                          759
```

<210> 4064
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4064

```
gntttnnnca gctcttgtct ttttgcagga tccctcgatt cgaattcggc acgagattct       60
cccaaaaagg ttcatcccga gaacactgaa gaataatttt tgggaatgtt aatgatgtgc      120
cacaaaatta gtattttatg atcaaatgaa tttgctttat aatattttat ctaaatattc      180
atgctcctga agactcacaa aataaaggaa actttatcca gctttttcca gaatttactt      240
gcacatagac tccatttata tagcatgcct attgaactct gtaaatagtg cagttcagga      300
aagatagcag tgtgggaaat gtcactctaa tggtcatata cgtttatccc atgggaggtt      360
aaagcatata ggtgagagga gagtgatcgc cctggggaac tgtaatgaga aaggattgat      420
ggctgtttca gttgttgttt tcctgtccct ggctgctggc atgggggcaa gggggaggct      480
gaggctcagg tcttagagaa cagaacattg catttcactt cacagtcagc aaagagaaag      540
ccaggcaagc acccagaagt cagtgcccca gtggagtcac aaaagactat taattcttnc      600
cacattgaat tgtgacacac aggaagctca ttacagactg agtgccctga gtttttattt      660
ggggctagtc atgtaggtcc ctttggctcc atgcccccca attccagact tccagaaaga      720
aagccagaat tcaaccttaa ctggcttggt tggtcnaacc a                         761
```

<210> 4065
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 4065

```
ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagaata cacaatttac       60
atgtcagagg atggtagagg aattgtcact tatgcttcag tctgacttag tgaagcagtg      120
gggccgagaa agcaatcata tacgcatttg tctcacatga gcagaggaac agagggatga      180
ctttaagttc tgtctgtttt ttgtccacaa ggaatttttct tgtgggcaaa ttgtgaggtc      240
tttgtagcta tcttatttta ggaataaaat gggaggcagg tttgcttgat gtagttccca      300
gcttgacctc ccttttcctt agtgattttt ggttcccaag atttattttc ttttcacaga      360
ataaattgtc tttcagaccc agagagcatc acagtcacat tcagaaaggt gtccaaatgt      420
aaatcacact ttcacataga attacagcta tattaacaaa tttttttcttc cattgncttc      480
atttgtaata tataaaaaac ttaagctttt aaaaaactaa agttgaatta tggncttaaa      540
aatgatggtc aatcttatct tcactggcag gatatagacc atttgnctgg ataattttaa      600
gtaagttgct atacagtttt angccttcct agntattatt tggtggggta nttctcttac      660
tttccctggg nccagtttttn accattggga accccccccct taatngncca ccntntttn      720
ccccccccan aaancccann cnntttaaag gggggaaaat ggcccctnat taannccnng      780
gg                                                                   782
```

<210> 4066
<211> 576
<212> DNA
<213> Homo sapiens

1269

```
<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

<400> 4066
gnntnanntt cantatanat acaagctact tgttcttttt gcaggatccc atcgattcga      60
attcggcacg aggctggtgt tagggttctt tgtttttggg gtttggcaga gatgtgttta     120
agtgctgtgg ccagaagcgg ggggagggggg tttggtggaa attttttgtt atgatgtctg    180
tgtggaaagc ggctgtgcag acnttcaatt gttattaaaa aaaaaaaaan aaaaaaaaaa     240
aaaaaaaaaa aaaanaaaaa aaaaaaaaaa aaacntcggc ntttaaannt ttaggnngtc     300
gtnttacnta antccngacn tnatannatc cnttgtnaat tttggncaan ccncacctna     360
atgcatggaa aaaantgctt tatttgnnaa atttgngatn ctatncttta ttngnancct     420
ttntaanctg caataancaa gttancaaca ncaattgcat tcatttnatg ttccaggttc     480
aggggnaggt ntggnaggtt ttttaattcg cggccgcggc nccaatgcnt tggncccggn     540
ncccantttt gttcccttta ntgagggtta attgcc                             576


<210> 4067
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(771)
<223> n = A,T,C or G

<400> 4067
nngnnnnnnt tttanancag ctctngttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgagactg aatgggctgt atctggggaa tcaaggtatt agggttgagc aaaagcaaga     120
ggaagtagag catttgatct cttttccttt gattaggttg aggacaataa agtctcattc     180
tctcccttnt tcccatgggc agccttatat atgattgaag aacattantg cananattcc     240
tcatccnnaa ataaactctn gtacttntat actaattaaa gattcatgtn aattactaan     300
ttcttggaaa actatggaga actctgtggg ggctgtnatt cacactttan tatgaattgg     360
nttaatgacn actgtnatat tggctacata aagaaatgga cgtttttatt tggggttagg     420
ggatcacaga tgtggactgg cttaggtaga atggtccctg agcnaaggag atattgaagn     480
ttatgaggat gtgcaagata agcagattta cttttgcatt ttattttggg ctatctcagc     540
ttcttttact agaagctcat gcctataatc ccagcacctt gngaggccaa ggcaggagga     600
ttgctttgaa gccaggggtt cgagatcann ctgggcacaa anccagaccc tgactntcca     660
aggangattc aaagatttct gatggngaaa acctcggcct ntaaactatt ggggtcgttt     720
acggngatcc nganatgata anancatttt ngagtttggc caaaccccac n             771


<210> 4068
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(787)
<223> n = A,T,C or G

<400> 4068
ggnnnnnngn nnnnnncngn ancancactc gnnagnaaag cccttcccan cgactcgaat      60
tcggcacgag ccaccctggt gctcctccct ctccctggta ccctgactac caggaagtnt     120
tgtgctagag cagctggaga agtgcaggca gcctgtgctt ccacagatgg gggtgctgct     180
```

```
gcaacaaggc tttcaatgtg cccatcttag gtgggagaag ctagatcctg tgcagcagcc    240
tggtaagtcc tgaggaggtt ccattgctct tcctgctgct gtcctttgct tctcaacggt    300
ggctcgctct acagtctaga gcacatgcag ctaacttgtg cctctgctta tgcatgaggg    360
ttaaattaac aaccataacc ttcatttgaa gttcaaaggt gtattcagga tcctcaaagc    420
attttaacct tgccgcttaa aacccaattt accgtgaaat gggaattttg ctgcattgtt    480
aaactgtagt ggaaaccatg ctatagtaat aaaggttata taagagagaa attgaaatta    540
aatgtgtttt taaatttcaa aaaaaaatca atctttagga tgactnaaaa attgatttgc    600
catgtaaaat gtatctgcat tttttacaca aaacttgntt taaagcataa aaatttaaaa    660
ctgnnctctt ggatgtatta tacattttga accatatgta ttaaaccata aacagtntaa    720
tggtggtata ataaaacagg cattaatttn ttaataaaaa aaaaaaaaaa actcggcctt    780
taaactt                                                             787
```

```
        <210>  4069
        <211>  799
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(799)
        <223>  n = A,T,C or G

        <400>  4069
ngnnnttnta tancagctct ngttntttat gcaggatccc atcgattcga attcggcacg     60
aggtccatta caccgccagc agcaatgtct tcctcggcca tggcagtggg tcacgggtgc    120
agcagtgcaa tgtcttcctc agccacggtt gtgggtcatg ggtgcagcag tgcaagacct    180
tcctcagcca tggcagtggg tcacaggtgt agcagtacaa tgccttcctt ggctatggcg    240
gtgggtcacg gacgcagctg aatcttgaac acacctgagc ctctgcctcc acgtgacttg    300
gcggtagcaa ggaatgaaca cagttatctt tttaaccaaa attttagatc atgatctcgc    360
tgtactcgtt gacagtattc aggtacttgt tgaagaatta atctctgctc ttctctgaag    420
tctgatttaa tcaccccact cagctgccag tgaaattggg ggtcatccat cgcatctcgg    480
atgtggctgg ctgtggctct tctgaaaagt ttctttcttc tgccttgttt ccatatttag    540
ggggaaatca gcaagattct agagtatgta tgtgggctgg gtgcaagtgg ctcatgccta    600
taatnccagc actctgggag gcttaagcgg gtggatcacc cnangccngg aatttggaga    660
acagtgtggg gcaacatant gagaccttgt ctnttccaaa ttaaataant taattnnncn    720
gggaaannnn nnnngnnnn ntnnnnnnnn nnnnnnnnnn ntnnnnnnnn nnannnnnnn    780
nnnnnnntna nntanaact                                                799
```

```
        <210>  4070
        <211>  785
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(785)
        <223>  n = A,T,C or G

        <400>  4070
ggnnntttaa tcagctcttg tttttntgca ggatcccatc gattcgaatt cggcacgagg     60
atatgcttta gaattaaggt gagtggtatt atctctagtt tgagacaaag agaagcgaag    120
taacaaaagg ccacataagt gataaatagt ggacctggag tttaaacctg ggatccccac    180
ctaaatcaga aatacaaaat caaccacttt tttgatgatc cagggtctat gtatatttat    240
tacatgtatg tatatatgta tatatatatg catgtgtata tatgtacata catacatata    300
gatgtgcttg tactagtgtt tttcccacca gatagttagc ctttcttctc cccttgctca    360
cttttttttt ttttttttg agatgaagtc tcactcttgt cccccaggct agagtggaat    420
```

1271

```
ggcacgatct cggctcactg taacctccgc ctcctgggtt caagtgattc tcctgcctca    480
gcctcccgag tagctgggat tacaggtacc tgccaccacg cctggctaat ttttgtattt    540
tcaatagaga cagggtttca ccatgttggc caggatggtc ttgaactcct gcctcagggg    600
gatccacccg cctcggnctc ccaaagtgct gggattacag gcatgancca ctgnacccac    660
ccaaggggna aaacttttat ttagaaaaaa cttaactttc actcgttaga aaaacgngtt    720
ttgaataatc taatttttaa aaatgcatta actatgtctt atnttggctn acacattta    780
attgn                                                               785
```

```
        <210> 4071
        <211> 792
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(792)
        <223> n = A,T,C or G

        <400> 4071
ttnaaccagc tcttgtcttt gcggatccct cgattcgaat tcggcacgag gaggaagtga     60
gattgtgcat gacatacttc tcctttgtat tctctcagtg ccttacagca ggttactcca    120
ttctgctatg acaacttgtt tcaaatgtta atttacatag gattttttat aagccattaa    180
ggcatatgta tagtatatca gtaaagatgg atggtgcata tataaatagt cttctgtaat    240
agtgattgga tttacttctc aattatgaga gacaaaaatt atccccctcac ctgtctctat    300
tctttcaaca ggttgatccc ttttcatgat ttttcattag gtggttcagg aagtttccat    360
attacagcgc ttcagactgt atatgttagt ttaaaaatca cttttctctc tctcaacttc    420
tttctttttt ttttgaagac ttaatttaaa aaatttgggt tgttagatcc gtatcataga    480
tttggcctag cctcttctgt taacctagtc cacagatgag cgaatctggt tagttgaagg    540
acattgtgat ttgactctgg tcacgcgagg aagtagaagg gcaaagacag gaccggcagt    600
ttacatttcc agtggttaaa cctcacggga ctttgggacc tgcttggtaa ctttttgggg    660
gtggtctgga ggccaatcta acctggacca ttttctggnc ccctcaacaa gagagaggga    720
aagcaacctt gggccaatga ggagtaaaaa taaccttggg ctttcagaga tttgaagaat    780
agaagaactt ct                                                       792
```

```
        <210> 4072
        <211> 802
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(802)
        <223> n = A,T,C or G

        <400> 4072
tgnnatctat gctggctctc gttcttttgc aggatccctc gattcgaatt cggcacgagc     60
acacttggag ctcatacaaa cttttttccca ggctattgtc tgttcttcaa gcccattcac    120
ctcccctaaa aatcatgtat tcttcctcaa aaattgncta ttatcttcca cttcccttc    180
ccccatgaaa agtgttgagg cttattctga gccaatatga gtgaccatgg cctgagaacc    240
caatatgagt gaccatggcc tgagaaccat ctcaagagct ccttcaacag ttgtgactga    300
gcttgtcang ttgcagtttg gttttatata ttctagggag acaggaatta taggtaaaat    360
cataaatcta tatntagaan gtntacattg gttcagccta aaggggtggg atatcttgaa    420
ggcanggtgg aggggatgct tacagatcat angnnaattc aaagattttc tgattggcag    480
ttggntgaaa gagttaagtt ttgtctaaan acttgaagtc antagaaaca aaaatgcttg    540
agtaaagata agggggggtng cgagggccaa ngtttttggt atgtnnatga agcttcatag    600
atcacagnct tnngagagna tagaagataa atgtctcttt tcagacttta aaaggttcag    660
```

1272

```
actctcaggt taatctcttc tagatccang aaaagcctcc aaaagaaaag gcctgactcc    720
cattaatggg ggattcttnt tacaanaatg caaaatttnc ccccacaaaa nnatggcttt    780
tnccagaacc ccatttcaaa at                                            802
```

```
        <210> 4073
        <211> 887
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(887)
        <223> n = A,T,C or G

        <400> 4073
ntntatnnag ctcttntctt tttgcaggat cccatcgatt cgaattcggc acgagactgg     60
ttaaatagcc cttgatgact tttcatgtgg catgagaggg atatgcttat aaagcttaat    120
tctgatatta tcctcttact acctacagta tgttttgcaa aaatcagtcc acttagcaaa    180
ctaatctttg taaagcagtc agtttcagaa gatacttttt atcaaaaaag atggcaggtt    240
taacattata ccttttggtt tttgcccaac atttgattta atctaaagca agaatataaa    300
ataattttaa gaagcatata atttcttttg ataaaaagta acaaaaattt aatgcagatc    360
aaagaccaag gcttgtaacc aaaacaagca aaaagaaact ttagctgttt aactatcacc    420
tctctaattt aaaatgcatg aaaattaata ctttgttttt gttttttttt ggaaacagtc    480
tcactctgtc acccaggctg gaggtcgcag tgagctgaga tcctgccact gactccaacc    540
tgggggtaac agagcgagac tctgtcttca aaaaaaaaaa aaaggtgtna tttggaaatg    600
gaaaatctan ggtaaaggga agctttnaaa aatgttggta ttttttttcc ctggnaaata    660
aaaccttttt attggaattt aaatggncct ttgggnaaaa aaggaacntc caccattgga    720
aaaaagggng ggcctttttt tatttntttt tggggtaggg ggaatnaaaa aacccccttt    780
tgggccccnt tttnaaatan ccccnttngn cccaaaattt ggaaaagccc aatttttttt    840
ttaaaatgga anggggttta ccctgggnaa atttgggttt taaaann                887
```

```
        <210> 4074
        <211> 851
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(851)
        <223> n = A,T,C or G

        <400> 4074
ggnnnnnncg nnnatttaga ccagctcttg ttnttttgca ggatcccatc gattcgaatt     60
cggcacgagg agtatttgct ggtgcattgg agagtttcac gtaattcttg tgcagattca    120
gcaagagagt ttgccggcat gctttgcaca gcccctggta cccagtaagg cgattattag    180
cattggtgct tgctggaatc agatattcca gaatattctg tcacagctca tcgntgccct    240
cttctttttct gtgggtaaac tgaggcagaa actcaggctg ggtggaactc tgcagcctca    300
gctggagacc tcgtctggcc aaggactgtg gggacacagg ccctntaggc tgccacctca    360
tggtcccagc atgagggcac cagaactgca cagaaagtct cactacccaa gtgtctgagc    420
caggccagac tgtgctagcc agacctgccc ggggttcatt cactgacctt tattgagcac    480
ctactgtatg cccagcccca aacctggctc tgctcatgga aaagaacttc agtggaaaca    540
ggtcctggga tgaacaangg cctggcctgg cctggtgatg ccactatttc tttaaagagg    600
gagagtggac aattcccgga tttattgtca ggggggaggt cttcattttc ttgctggtnn    660
taaccanaaa tacccacaag acttggggtc nttttttagaa aacccattag aaaactngan    720
ttttcgtacc ttgtttctag aagggttggg gaaagtcccc nngaatcaag ggtggccnag    780
ccagggntnt gggttgtcct gngaggggcc cactanattt gggnttccaa agaanggggc    840
```

cccctccttt t   851

```
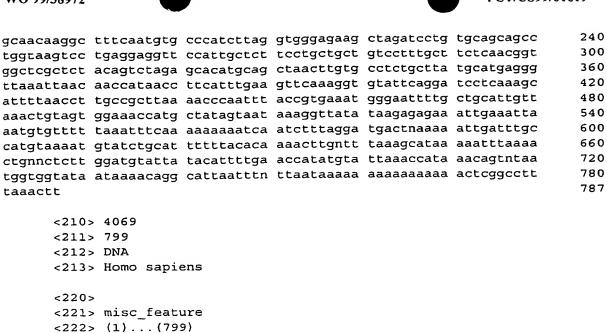        <210> 4075
        <211> 836
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(836)
        <223> n = A,T,C or G

        <400> 4075
tatncnagct ctcgttcttt tgcaggatcc catcgattcg tcttgactga ggttcccatc      60
tttcttantt ctcttaagga tgtgctattc tattctagat gcataggagg gaagntaatc     120
cagncttaga tcancagggc tgngttcttt ctcagaacca tacccaaaaa agcctnanta     180
gaattttagg aaagttctat ttagaaagaa actaagaatt atgattaagt tttggcctaa     240
gcaacttaat angcagnggt atcatttatt gngaagcaaa tnacataaga agcangttnt     300
ggggcttggg aggaggtaag ggcngaaagt tngntattnt tttttaaacn tgtntaatnt     360
gagacacctg ctagatatcc tantnaaatg tcatagacac ntnaatggtn cacaactttg     420
aaactcagag agaggtcann gctggatata aacagntggg agtcaancnt attttatatt     480
atttaaatcc anaagactgg atacggcaag ttnggaggga gtttcaatgg anaancaaaa     540
tttttgactc tgnggcactt aaacatttaa agntctgata aataggagag ggcccancaa     600
agggaaattt gaaagaacca atcatttacg gtanggagga aaaaacttag aaggggggata   660
aatatcttca aaaaatcaaa aaaattaatt ggcnttttc aaagaaaaat nnaggnggnt      720
tanccccctg tggtttaaag gngnggttaa agtattcacc ttggaanaaa nanggttcaa     780
angggcaaag aaggcccaan nggggccct ttttttaaag naaacttttt tcccn           836
```

```
        <210> 4076
        <211> 852
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(852)
        <223> n = A,T,C or G

        <400> 4076
nnntntttnn antacacgct ctngttcttt ttgcaggatc ccatcgattc gaattcggca      60
cgagcnaagc tgttttatan attanggaga ngagtgagga gagaggaata ggatagacna     120
aggtngagat agggancact ggagaagaan acctcanagt gaggcacagg aagaggtgtg     180
aangggaaaa gaagtggcan atgtnacgga agagcccctg nccatgagag anantggngg     240
gantggnaag gaagggaagt tatgggcat gggncacata gcacacaaca cnacagtaag      300
gctagagata tnaaanaaac aatgattctg agctncataa gtagcnatct cncgcttaat     360
agacataggg ngtanctgtg acatggcgtn anctacagna ctggacatna tcacccttttt    420
ntagggaagg agggatgcct gcagnggcct aactccanca ngttatcatg tgctatggaa     480
gtnctgnnca caatggnggc cnccantcat gtgtccaacn ttaaataagn ctgtcgtngc     540
tnaggaccta nnntgnaatc ttaatttcat tttaaaatnt aaatnttccg naatggangc     600
tcaaggctng cttctttttn ggaaagtgtc ngaactgaat tgaaaccggn ttnnaaaaaa     660
aggattagta nccctggtn tttcccttg tncgggggca ttaaagtnct tttaanccct      720
gggacccntc cccggtnggg ncccnttnna aaacncccaa aatcccattg gcccccattg     780
natttttaa aaacaatttt tnaangntag naanttnttt gaaaaaaaat tgggaatttg     840
gggggncccn nt                                                         852
```

```
        <210> 4077
```

<211> 897
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(897)
<223> n = A,T,C or G

<400> 4077
```
cgnnnnnnnn tnnnanggct ttgccactaa ctgaaaccct ttgnacccan cganncgaat       60
tcggcacgag gttgaaggta tgtgtcantt ttaaccaggt gttgagttat ttgatntttc      120
ctncanagat tatttaatag tttcaataat atctaatgat gtgtgggaaa ccgtaaaatt      180
tttcatacaa actgggacaa atgaacatgc atactattaa aanactncct acaatacggc      240
ataaaanggg ctttcttagg ngaaccagga ggtatagnca gcctaatcat nngctatgan      300
tattagtnat ggnaggctgt gttttatcac tcatatatgg aaatcttttt tgaatgacta      360
ctctggaaat gacgactgaa tctcatactg tgtacacacn tnatcanagg acacttaatt      420
gnattnanna anatannttt gaacttacct tgngttagag ggncagagag gttcatnatc      480
canaaaaatt atnatgtggg gctttnttcc tttgggaaan tgaccgntca cacnncaggg      540
catgtgtttc ttctnatacc ttcaccccan ggggcncttt ctctttnana aaaannnggn      600
gncatgaaan ntntatnatt cttncccctn cccnagtncn ttgntnttgc ttaaggnntc      660
nnccnnantg ncaaggtnna naaanngaaa aaaagaatnn tgggnaaagg caattntcac      720
aaacttntaa aaagccggnn atcntttgnt ntngggtaaa nctccccnnn cctantttta      780
anatnntnnn cnnctccggg ggggatatt nnnngggggcn ntntaanncn nnnnnanann      840
nnaagngatn ggnggngccc aannccaacg anntntttnt aaaanagngt aaaagcn         897
```

<210> 4078
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(786)
<223> n = A,T,C or G

<400> 4078
```
ngnnnnnttg gatancagct acnggtnaat ttacttcctg caacgncccg aatncggcac       60
gaggttaggt tggacacaga aggggcaatc aaatttctgt attcagatac cttttaaagg      120
tacactgtgc caccttgctg cctttgattg caaatacaaa gttaattttc aaaaaggaaa      180
aacaaaacag ctcttttttcc taaaacacat gttgtacttc agacctaaaa ttctaagtct      240
tatttgtttc tcacccatga gttagattta ggtaatagta ttagtagagt ccttagagaa      300
tcttaagagg tcatttactc cacctctttc attttaaatt ggggtatcca aagcctgaag      360
aggtggcctg gccaatattg accaaggtat aactaaatat gagctagcat cttcttcctt      420
cttctcgcta tcccttggct ttaaaagatt tagtacatga agaataatgc attagcaaaa      480
agctcctagt ttgtgtttcc cctttgtgtc tccctgttgg ctttctgaga caacctgaat      540
tttgccaaca aaatatcgca gagggattta tattaattat tttttagtta gatgaatatt      600
atattcttcc catccaaagt gagtgatttg ctaggtttgg ttagggaggg aaaaagcaag      660
aataatgtga gaagaatcta aatgcgaagt tgattttgtg tggnaaactg gttattagtt      720
ccatcaggaa tttctgnttt tattttttga gctattgaga agtgcatgca gatttgaaaa      780
attagg                                                                 786
```

<210> 4079
<211> 800
<212> DNA
<213> Homo sapiens

1275

```
        <220>
        <221> misc_feature
        <222> (1)...(800)
        <223> n = A,T,C or G

        <400> 4079
ggnnnnntnn nnnnnttnta tnnnagctac ttgttctttt tgcagggatc ccatcgattc     60
gaattcggca cgagggcagc agcagcagca gcagcagtgg tggaacgagg aggtggagaa    120
ttgagagcac gatgcataca caggtgtttc tgagtagtaa ttagatcgct gtgaaggaaa    180
aagcacacct ttgagttttc acctgtgaac actatagcgc tgagagagac agtctgaaag    240
cagaggaaga catcgatcag taacaccaag agacaccaaa gttgaaagtt ttgtttttctt   300
tccctctgtt ttattttttcc cccgtgtgtc cctactatgg tcagaaagcc tgttgtgtcc   360
accatctcca aaggaggtta cctgcaggga aatgttaacg ggaggctgcc ttccctgggc    420
aacaaggagc cacctgggca ggagaaagtg cagctgaaga ggaaagtcac tttactgagg    480
ggagtctcca ttatcattgg caccatcatt ggagcaggaa tcttcatctc tcctaagggc    540
gtgctccaaa acacgggcag cgtgggcatg tcttttgacc atctggacgg tgtgtggggt    600
cctgtcacta tttggagctt tgtcttatgc tgaattggga acaactataa agaaatctgg    660
aggtcattac acatatattt tgggaagtct tttggtccat taccagcttt ttgtaccaat    720
ctngggtggn actnctcata atacgccctg cagctactgn tgngatatnc ctggcatttg    780
gaaccctacc atttttggaa                                                800


        <210> 4080
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
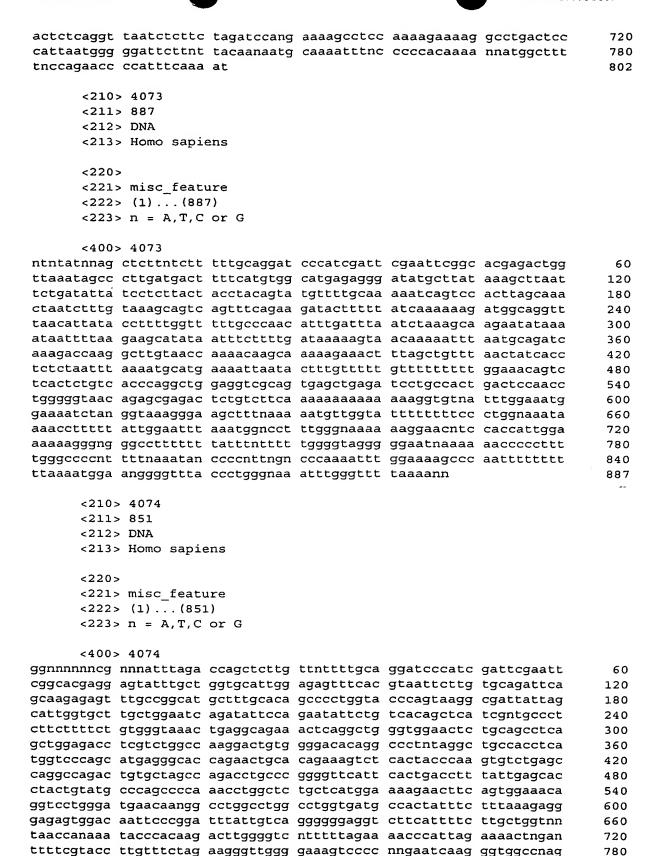        <223> n = A,T,C or G

        <400> 4080
tnnnnntttt anancagctc ttgttctttt tgcaggatcc catcgattcg aattcggcac     60
gagcttgctt gaaatacaga atgtccagat ctactgagtc agaatttaca ttttcaaaag    120
cttcctacgt gactcatgca tattaaagtt tgggaagcac tgacttagat tacctttga    180
gaattccaga tgggtcagaa accagacaga aatactcagt agtgagaagc tatggtgtat    240
cagaagctgt taggcatttc atggtttggt agtgagcaag acagatagtt ttcctgtatt    300
cagcgactta gtctagagag agacaggatg gaattaagtg tttaggtgct agccaaaagt    360
aaagattcgt agaaaacaag ggttcatatc ccagtcatca aagtgataaa ttttccctgc    420
ttaacattta gattaaaaag taataattag gccaggtgtg gtggctcaca cctgtaatcc    480
cagcactttt ggaggctgag gtggacagat cacttgagct caggaattcg agaccagcct    540
gggcaacatg gtgaaacccc atctntacaa aaaataccaa agtcnggcac ggttggttgt    600
gtgtgcctgt ggttccagct acaccggang cagangcagg agaatcactt gagcctggga    660
ngcaaangtt gcaatgagcc aanattgggt ctttggactc tagccctggg cgacanggag    720
tgaaacagtc ttcaaaaaaa aaagcctnta aaactatagt gagtcgttta cgtngatcca    780
gacn                                                                 784


        <210> 4081
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G
```

```
        <400> 4081
nnnnnntttt atancagctc tngttctttt tgcaggatcc catcgattcg aattcggcac        60
gagcttggat gtatgtttta atatgtatac cttataattc tgcctctagc caaatgctat       120
gtttgcaaaa tgtggcatct gttagttttt attgtctgtg tcttctttgt ttactatacc       180
ttgggtaatt ttgtgttacc aaaaaaaaaa aaaaggaagt gtaatgtcag acacacaaga       240
aaagcaaatc agtgttgtaa gcttaaagta caatttcaaa ggtcattacc aacagcaggg       300
ttttttttat actttaaaaa cattatgcta catatcattg ccattttcat attttggggt       360
tttgctactc ttatacaatg gaatcaatgg aaatgtcatc cagccactga attgccatta       420
ttatatctaa aaagtttcta agatgacagt tatcactatt ttgttttatc tccatgctga       480
catttgaaag aaggtctagt atccctctag ccagattgct tagttttcg ttggtaatca        540
aacaacagtt gtactaaagg aaagtaaagc taggacctaa atcagaatca tagttgcctg       600
catatatggt aacaaggncg tgtgcatttg ctttcacagt gatgagtgag aggatgagaa       660
naaattattt gacattttc ttgtgggtga atagaanaca cctttctttt gtctttaggg        720
ttanggngga gatactaaaa aaacctggga tgtttatcct atcttaaatt ngggtgggag       780
taataaaaaa                                                              790


        <210> 4082
        <211> 788
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(788)
        <223> n = A,T,C or G


        <400> 4082
ntatnctggc tactngttct ttntgcagga tcccatcgat tcgaattcgg cacgaggttg        60
gttgtcaact ttgcattata ccacccactt gtaatatctc tgccttgaag aggaaaaacc       120
aggaacattt cctagaatcc ccttcccgtt atgatcccaa gttaggatat gccagtgaga       180
ggtgctgttt tagtcccttt tgcctgctgt gacaaaatga cacagactgg gtagcttata       240
aacaacagaa atttatttcc cacacttctg gaggctggaa agtccaagat cagggtattg       300
gtagattctg tgtctggtga gggctcattt tctgattcat cgatggcacc ttctcagggg       360
tcctcacatg cggaattgat aacgcagatc tctgggatct cttttataag ggcactaatc       420
ccattcatga gggttctgcc ttcataatct aaccacctat caaaggcccc atttctagta       480
ccgttacctt aggggttagg atttcaacat gacctctggg gagatacatt cagcccatag       540
caggtactca caatagaata agaaggcaaa gcaaggaagc ttttattctc aggatgtggg       600
aaagcatcac ccacttctcc agtaagttgt ggncgttttc aatttctcaa tttcttcacc       660
agcttccact tttgcagttg tgtcagccaa tcaacgacag ctttccaaaa nttccgtgca       720
agtgcctgct tttganggca aaggnggnca taaaatngga agcttcttca ggctccttcc       780
acaatctn                                                                788


        <210> 4083
        <211> 889
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(889)
        <223> n = A,T,C or G


        <400> 4083
ggnnnnnnan ngnnntttta atncttgcta ctcgttctnt ntgcaggatc ccatcgattc        60
gaattcggca cgaggaggaa gcatatacca cagaacattg gctggtcagg atatacaagg       120
taaaggacct ggataatcga ggcttgtcaa ggacataaat gtnacgtcca gctctnatat       180
```

1277

```
gcttcgcact gagcacatca catttaggac gttgaagatt tttttttttt ttttaatatg    240
cannttgtaa gaacaaaact ggatggcatc anaattgnct ggaagttttg tcttgggcca    300
aatgaaatga tttttataat tctaaacagg ttaccaaatg aaatgtcatg gctttacttt    360
ggtcaattaa aggggggaat ttttttttaaa aaantgaaat gctnacactt atntctgnaa    420
antatatnga aaatgnatac cntggngcct attgangntt ttggngggtc antttcnnnt    480
tacccnnccn ccaanttnga aactttnttn nttttggncc atcccacccc ttttgcnnng    540
gcnnttaant nacaaanttg cttttttttcc cntnaangtn tgggaaaaaa nactttntcc    600
ttnttncttt aacccctttt cnccccngng gtttcttgnt taaaaanntt cctntnttaa    660
aaatagncaa ctcttttntt ttnttttnaa ngggntacca naaaaaaaaa aatagggggg    720
ggtttntaaa anatgggatt ggccccnncn acngggaacc caattgggnt cccttnnaat    780
aaaacctttt ttttnccaan atnaangggg gccttttttcg cntcnantnn ngcggcttan    840
aaaaggggcn ntanccngtt gtttcttttn gggnaaatcg cancccttc                889
```

        <210> 4084
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 4084

```
ntgnnttttt attcagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac     60
gagaggggggc gggcccgtac gccgattcca tatgggcgcc ggcgcggagc gccgcggggc    120
agcgcggggt cgccatggct gagctgcanc agctccgggt gcaggaggcg gtggagtcca    180
tggtgaagag tctggaaaga gagaacatcc ggaagatgca gggtctcatg ttccggtgca    240
gcgccagctg ttgtgaggac agccaggcct ccatgaagca ggtgcaccag tgcatcgagc    300
gctgccatgt gcctctggct caagcccagg ctttggtcac cagtgagctg gagaagttcc    360
aggaccgcct ggcccggtgc accatgcatt gcaacgacaa agccaaagat tcaatagatg    420
ctgggagtaa ggagcttcag gtgaagcaca gctggacagt tgtgtgacca agtgtgtgga    480
tgaccacatg cacctcatcc caactatgac caanaagatg aaggaggctc tcttatcaat    540
tggaaaataa aagttttgc cagtggccat caagggcttg agggcaagaa tatatttttt    600
attagggaaa aaaaaaaaaa agcctnttng aacttttagt gagttcgtat tacgtanaat    660
nccagacatt gataaggata catttgattg aggtttggga ccaaaccaca accttggaat    720
tgccagnngg aaaaaaaatg ctttttttttt gtgnaaaatt tgnggaatgg ctatttgggt    780
tttanttggt aaaccaatta ttaagcttgc aaataaaaca aggttnan                 828
```

        <210> 4085
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 4085

```
nnnnnnttta nancagctct tgtcttttttg caggatccca tcgattcgaa ttcggcacga     60
ggttactttc tttctcacac aaaggaaaaa agagactatc tttagggaaa cactgcttta    120
aatcatcttc cttgaatatt aattctctgt tgcttcctcc aaaaatggag aaaataatcc    180
ctaccctcat aggcttatta taaggctcaa ttatgataat ggtgtgaaaa ctttgaaaat    240
tagacttcag agaaattgag ttaatctggg attatttatc aatgtcttag taaccaaaag    300
tttaaaatgt gttttgtcta ccaactggtt gcatgtacat ggttaatcca aaaggctcag    360
```

```
ctttcagca aatggaaaaa gattaacttc tttatggatc acattatgag atgaaacaca    420
tttcattcta gctgctgaaa aaatagcaac atgtttttga aaccattgtg attttgtatt    480
gcagtcacta aaacatcaaa tatatcattt ttatgttaaa gtgccctaat ttgtgttgtt    540
acataaaact tggagtacct tggccaaata gaagaaatta atgtgccgcg tgtctg⁺ttt    600
aaaagaatga aatctgagcc cagtgtgang ctcatgcctg taatcccacc cctttg꜀gag    660
gcttgaggca nggaaaaatg cttgagtnca ngagttggag accanccngg ccacatangg    720
agacctttc tnttccaaaa aattaaaaaa ttgnccgnca tggggggccc atgccgtgta    780
ggncccnct                                                          789
```

```
        <210> 4086
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 4086
gnnnnnttcn aatactgntc ttgttctttt gcaggaccca tcgattcgaa ttcggcacga    60
gaaacagtct atacatgttc agtacagatg cagccatcca tttttcttgtc caaatatttt    120
ttatctccag ttggttgaat ccattgatgc agaaaccacg gatacggaga gctgactctg    180
tgtgtgtgtg tgtatactca ccaattcttt atttattcaa caaatattta ttgaatttct    240
actatgtgtg aagcatagtt cacgatcctg gggatatagt agacaagctc cttgccttat    300
tgagctcaca ttcttatggg gaagggcagg ttcagggcct tctcagatct ttgctgggca    360
tgcacacagc cctgtgcata tgctgctttg tggattccca caatgagctg aagcttttca    420
aagctcctag ggacgtacca ttctctggct tttcctttg agctttaggt tagccttttg    480
tttgccctaa tatcacccac tactcaggca ggaatgaagt caaacaattg tcttgaaata    540
ttttcaataa atgcctctgg agaaagggt ttttattttt ttagccctgg ataagatcct    600
ggttagggta aataaangca gccttgcaag tgggggcttt ccnggaagca ccagacagac    660
aaataactac agtccatgag aatgaacttt gaagggctct nacccattc tgccttatta    720
agggntggca ngntcctggg ggtcancaag atggggggact ggttggcttt caagn         775
```

```
        <210> 4087
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(770)
        <223> n = A,T,C or G

        <400> 4087
tnnnnttta atcagctctt gttctttttg caggatccca tcgattcgaa ttcggcacga    60
gggccagcgg atcgctgcga gtggccttga aggcagctgc tgcaggtgaa gagtaggcgg    120
cggggcagag agcggcctcc gagggtcacc tgaatggttg agcatggacc ctgttgctac    180
ccacagctgc catctgctcc agcaactgca tgagcagcga atccaaggcc tgctttgtga    240
ctgtatgttg gtggtaaaag gagtctgctt taaagcgcat aagaatgtcc tggcagcatt    300
cagccagtat tttaggtggg tattttagac ttcattctcc tagctgtgaa ttaagggtaa    360
agctctttta gtatggaagt attcatattt tgttctcctt ggatttcact atctttatct    420
tttatagcac attggatttt gtaggagttg tttaattttt taagtttgtt aaccattttt    480
attattttg cttttgngtt tagagtaacc tgaaaagaaa agaggctctt aagtaaaatg    540
aatttgggat gactgaaagt attttgggtg nttggctttc attttactaa ttctggctaa    600
tgtcannctt ctacatatat ttcttatcct ttcaagaaaa aatgatgggg gaattaaatt    660
```

```
nccngtcana aatttttnttg tgataanaaa tcaggggaaa aacatatttg ggggtggant    720
tctttntttt tttcttaant aaannnttta nttttggntn tnattnnaaa               770
```

```
        <210> 4088
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 4088
taaanccgct cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgagagggaa    60
aatatgacaa acctcaacta tgggagttgt ccacaataca aaattttgaa aaaacattac   120
atagtgataa tatcatactt ggttgttagg cttgttgctt ccccacatca gaggcatcta   180
atgatttatc ttttgtaatt gctgtgaact tttttaaata agccatttag tgtgaaattg   240
tcatgtatca aatggctatt ggaaatggac tttactcaat tttaattcca ctgtaaataa   300
ggacggagtc attcctacaa ggctctcttc agagaaatag attaaaagtc caatttccag   360
gtattattag tatagttatg ccgctgggcc acatcctcaa caacagctga tccctcttgt   420
ataaatatgt taactgtgca gaacagttat gttatgggac aaatataatg gtcattatgg   480
tcagattggt tgatgccaca ccagtcaagg tagagtctga tagggcagta tcttaataac   540
cctcccatga cttaactgtt ggatttgaaa ggaaaacgta ggatttgctc ttgnccccctt   600
cccccacaaa attttgataa tttgtttaaa aagggagang cngaggaaaa gactngaacc   660
ttaaatngct gctttanggt ttgccagang cccatactta acattagttc ttaaaattcg   720
anggtatttt actaatgnaa ttaatcaaca gagcccnag gantttttta tggn          774
```

```
        <210> 4089
        <211> 844
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(844)
        <223> n = A,T,C or G

        <400> 4089
nnnnnnnnnn nttntatana tacagctact tgttcttttt gcaggatccc atcgattcgc    60
ttgttttaaa gataattgct agatttatgt tttagctttc cataaaatgt aataacataa   120
aataaaatat aaataaaata tgaaataaaa taaaagccat ggggaaaagg tagggtttga   180
ttgctaataa gaaatttctt ggaaaagaga ctagctctct tttggttttc caaagtccac   240
atttataac attttttagtg cttggtgttt gcttgtggta ttacattaga taaaaatgta   300
tcacagtgtt ggtttatact ggatgtttaa ataggattca ttgaaagggg tgtgttttct   360
ttctgaggaa tacttactca gcattttctt cagaaagtta cttgctgcta atcctttatg   420
gaggctctag gggaacatca ttttcttgcc ttttccagct tctacaggct gtccacatcc   480
tcagctagtg gcccctttc atcctttttt tttttcttga attatgagat ttttgtact    540
ttgagttctg ggatacatgt gcagaacgtg caggtttgct acataggtat acaagtgcca   600
tggtggtttg ctgtacccat caacctgtca tctacattag gtatttctcc taatgctatc   660
ccaccccctag ccccttaccc cctnacagtc cccggtgtga tgttcccctc ctgtgtccat   720
gtgtgctcat tggtcaactn ccacttatga ntgagaacat gcannggttg ggntttctgg   780
tcctgngtga agttgctgan aatgatggnt tccagcttta ttcatgtcct gcaaaggaca   840
tgaa                                                                 844
```

```
        <210> 4090
```

<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 4090
```
gnccttttga aatcccttnt aacncaaacg cttggcaaac nccctttctn cangcanccc      60
ntgcgntncg aattcggcac gaggccaaat gccggaattt aaaacctggc ttntaaaaag     120
aatgattttg aacaaggcga attatatttg agagaaaagt ttgaaaattc aattgaatcc     180
ctaagattat ttaaaaatga tcctttgttc ttcaaacctg gtagtcagtt tttgtattca     240
acttttggct ataccctact ggcagccata gtagagagag cttcaggatg taaatatttg     300
gactatatgc agaaaatatt ccatgacttg gatatgctga cgactgtgca ggaagaaaac     360
gagccagtga tttacaatag agcaagattt tatgtttaca ataaaaagaa acgtcttgtc     420
aacacacctt acgtggataa ctcctataaa tgggctggtg gtggatttct gtctacagtg     480
ggtgaccttc tgaaatttgg gaatgtaatg ctttatggtt accaagttgg gctgtttaag     540
aactcaaatg aaaatctttt acctggatac ctcaaaccag aaacaatggt tatgatgtgg     600
accccagtcc ctaacacaga gatgtcttgg gataaagagg gtaaatatgc caatggcgtg     660
gggtgttgtg gaaaagaaca aacgtatggt tccgtgtaga aagcaacggc attatgcttc     720
acatactgga ngggcantgg gtgccagtag tgtcctctgg tcctcctgaa aantgg        776
```

<210> 4091
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 4091
```
ngttttaaan atacagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac      60
gaggaatgga gttccacctg ggctgtttta ttaactattt gcccctccgt ttcttcatct     120
gtaaaacaga aatgataacc ttactattaa ttgtgtgacc ttggacaagt tacaacatct     180
ccctgggcgc gattgtccca tctgaaggtc ataatagcac ctgccacaga ggatggtagt     240
aaggattaaa ttagttaatc catgtaaatt acctaggtaa gtgcctgcca tatagcaagt     300
gcttggtact ttttttttaaa aatcactggt atgactattg cagacacctt tgccatgatt     360
ggaatagctg gaatccaaac tcaagccttc catttccagg gttctggctg gtgtggggct     420
gacagacctg gatggggatt cccagctctg cctctcttca gctgagcaag tcactggaac     480
ctctctgagc tgcattctgt tcagctgtaa aataatagtt tgtactttgc aggggtgttg     540
taaggcaatg gtctccagcc tttttggcac cagggaccag ttttgggggga agaaaatttt     600
tncatggaca gggntgctna aggggatgtt ttnaagctcc catgaggatt taatgcggcc     660
ggccccggng cttacccct gtaatcccaa nactttatgga agcccaagtg ngccggatcc     720
ccaggtcagg gaaacgagac cntcctggta acatggggaa ac                      762
```

<210> 4092
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 4092
ngtcatttgn tngatacagg ctacttgttc tttttgcagg atcccatcga ttcgaattcg      60
gcacgaggag gagttaaatt ttgaagctct ttgagaaagg taccttttct taacatgttt     120
taaaaataaa aatacaatgg cttatttaaa atgtccctat gcatggtgaa atgttaaata     180
ccaagtggat gaatggttct caaatatatt gtaatggaga attattcaca tgcatctatt     240
gtttaaacta ataagtaaaa tagacttcct ttttctgttc tgttttaaat gtgcactaaa     300
attacctgct tgtggttagc atgggctgga cagtttattg attttcaga agaatgcttg       360
gctttgggtt tttggcaata gggagcctgc agcaaattat ttcatttgac aaaaaagagt     420
tattttaatc ctatttgaat gtatgctatc tcctttaccc tccccatctt atgataaaag     480
gtctctcttt tttctcttcc aggtttgcag ctaaaactgt gcacagtggg tcattgatgc     540
tagtcacagt ggaactgaag gaaggctcta cagcccactt atcataaaca ctgagaaaac     600
tgtgattggc tctgttctgc tgcgggaact gaacctgtcc tgtctcangg gtaacctgct     660
tacatctgga ctttanaatc tggcacacaa caaaagtgcc tggcatcact actgntgcct     720
ttcatttata ataatagccc ttcctcttgc agtgggggta ga                        762


        <210> 4093
        <211> 795
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(795)
        <223> n = A,T,C or G

        <400> 4093
ggnnnnnngt ctttcaaatn ctaggctact ngttctttnt gcaggatccc atcgattcgc      60
tcaagtncca ncacaccggc gccgtcctgg actgngcctt ctacgatcca acgcatgcct     120
gnagtggagg actagatcat canttganaa tgcttgatnt gaacactgnt cnagaaaatn     180
tngtngggac acatgatgcc cnnntnanat gtgnngnata ctgtccaaan ctgaatntna     240
tggtcnctgg natntngnnt cagncnnata aactgcngga tcnnncanct tctngnaatn     300
cnnggaccnn nnctnngccn gaatangtgt ataccntctc nangtcttgg agaccgncng     360
gttgtggnna cngcaagnct gccnnngntt actnccatnt tangccaaca tgggtatncc     420
antcttgttg gngatanacc atcctgccnt accngacttg atgngttcga gnntnngcaa     480
actnnnnngg cttggnatta agctgnttag aangccaagn nnattctgan aatntggacc     540
tgngccttng ggccataaaa aagcgnatgn cnntttctnn ggccaaacna tgataacctg     600
attnccatcg atttcaccct tganaatggc ttcanntnta aactnaatac ncaantnntt     660
atcntcaang nggaccgnna acgcttngng aactttttg ggggnncan tnttgcaaaa       720
cnngaaangt gcccatttaa anccaaactc gcaattgngc aanttnantt caattgcctn     780
gaataattgg agang                                                       795


        <210> 4094
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 4094
natggntttt nannatacag ctcttgttct ttttgcagga tcccatcgat tcgaattcgg      60
```

1282

```
cacgagacag agcgagcact ccagttcaaa aaaataaata aaaattaaaa aataaaataa    120
aataaaaaat ttactaggca tccagcattc attaaggaga ataattcagt taaggaggaa    180
aagaattctg ggattctggg aatttcctta accaataaag agtatgtgtg agaaacctac    240
tgctaacatc atacttaatg gtaaaagtcc aaagatcagc aaaaagagga tacctggtct    300
aaacacttcc actaagcatt atactggaag ttctagctag tgcaataaat gaaagaatac    360
aaagtatcca gattggaaag gaagtaaaat catctttatt aacagattat atgattgtct    420
atataaaaaa aatctgaagg tatctacaac actattagaa ctaaatgagc ttagtgagac    480
tgcaaaataa agatcaatat atataaagca gatgattttg catgactagc catgaacaat    540
ctgaacctta aaaccttaaa tgccatttat acaccatana caatatgaaa tncatagtga    600
tgcatctggc aaaagaagtg caagatgtat agtataaaaa ttaaaacact ttgggagaac    660
tttaaaaagc ctaaatgaga ttactatgtc agagactcca gactcatacc ataatatgca    720
atcttccacc tgcctaagat cagtgaatcc                                     750
```

```
        <210> 4095
        <211> 758
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(758)
        <223> n = A,T,C or G

        <400> 4095
gnnnnnnnng ntttnttnca gctacaggct acttgttctt tttgcaggat cccatcgatt    60
cgaattcggc acgagaggac attctcctac atagccgtat attctcatta tacccagcaa   120
atattcaatc atattatcta aggtacactc cacattcaga aaaaaaaatg ccctttacca   180
tagtttttgt tttgcttttg gttttgatca aagattacag gtgtgagcca ccgcaactgg   240
cccactgtgt tacgatttga aataaaaagg aacctgtcaa gtacccagag aatatcagaa   300
ctgctgtccg atctcctgaa attgaaatta atttcctcag tgactcaata cccactgcca   360
ctcactcaag ccctgcaagt tcaagccaaa tcatcctgcc accacaggaa tctgatgggt   420
cacgctgctg cctactgaaa atggggattt gggttagtga taaaataggt taaaacacat   480
aaaataggta aactagggta aaatacagta agaatgggtg agaggagaga aaaagaaact   540
tcantttagg aagcataata ctacttaaaa tttcctgaga ataaatttgn cttctagaca   600
acacanagna nnntanncnn nnnncnnnnn nnnantnnna aaaagccctn taaactntag   660
gagtcnttta cgnaatcccn acntgtnaga tncttgatga nttggacaac ccacttgaat   720
gcagngaaaa aatgcttttt gngaaatngg agctttgn                           758
```

```
        <210> 4096
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(771)
        <223> n = A,T,C or G

        <400> 4096
gnnnnttttn aanatacagg ctacttgttc ttttttgcagg gatcccatcg attcgaattc    60
ggcacgagac gggagctagt gacggcattt ctacgatcct gaagatcctc gtctccgggg   120
gcggcaagtc acggacaggt gtgatgatcc ccatcccaca atatcccctc tattcagctg   180
tcatctctga gctcgacgcc atccaggtga attactacct ggacgaggag aactgctggg   240
cgctgaatgt gaatgagctc cggcgggcgg tgcaggaggc caaagaccac tgtgatccta   300
aggtgctctg cataatcaac cctgggaacc ccacaggcca ggtacaaagc agaaagtgca   360
tagaagatgt gatccacttt gcctgggaag agaactcttt ctcctggctg atgaggtgta   420
```

```
ccaggacaac ntgtactctc cagattgcag attccactcc ttcaanaang tgctgtacna      480
natggggccc gagtacttca tcaacgtgga gctcgcctnc tttcacttca cctncaaagg      540
nctncatggg ccnatgtggt tacanacgag gcttcatnga ggnnaatcaa cctgccctg       600
anatcaaggg ccanttggtg aaactgcttt cggnnctcct tgtgccccnc aatatntggt      660
caaggccgcn ntggacattt ttngtgaacc cccttggcca tgcctnaact tcaaaacaat      720
tnaaatgntt tttttttttgg nnncaaatta naacctnact tantttttgcc a             771
```

```
        <210> 4097
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4097
gnttaanncn tnatacagct acttgttctt tttgcaggat cccatcgatt cgaattcggc       60
acgaggctgc tgggcctgga agtccaggtg gggccactcg ctaattctca tgtgttgctc      120
cggcccctcc agctgcaggt gggtgtggag tttgaggcca gcacaaggat gcaggacacc      180
agcgtctcct tcgggtacca gctggacctg cccaaggcca acctcctctt caaaggtaaa      240
ggtctcggtt ccccctacgcg ggaaacaggc aggaggtgac tcaactctga gtggatgtgt      300
gggccaccac aggtgctgga ggacagtgtg ctgccaccct gtgggcctcc acattaccgg      360
ggaacacttg ttaaaaggta ggtggggccg ggtgcggtgg ctcacgcctg taatcccagc      420
actttgggag gccaaggcgg gccgaggtaa ggagattgag accatcctgg ctaacacggt      480
gaaactccgt ctctactaaa aatacaaaaa caaaattagc cnggtgtggt tgccggtgcc      540
tatagtccaa ctactgagct naagcnggaa aatggtatga acccaggaag cggacttgcg      600
gtgaacccag atcgtgccac cgacttcaac ctgggcgaca gacaagaatt catttnaaaa      660
aaaaaaaag tagtggacaa ccctntacta tgtttatctt gggaaaaaaa agtnggtnna      720
acggncaagc cttgtgaata accctgtaat nccaacn                               757
```

```
        <210> 4098
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 4098
gntttananc agctnntagc tacttgttct ttttgcagga tccctcgatt cgcaaggatg       60
ggcgcatccg agaaggagac cgcattatcc agattaatgg gatagaggtg cagaaccgtg      120
aagaggctgt ggctcttcta accagtgaag aaaataaaaa cttttcattg ctgattgcaa      180
ggcctgaact ccagctggat gagggctgga tggatgatga caggaacgac tttctggtgt      240
tggatgtcaa tgatgatttt tctgaggaag taaccaaaca agaagacctc atgagagagg      300
taaacacctt tgtaaagaat ctgtaaccaa taccatgatg ttcaggctgt gatctgggct      360
ccctgacttt ctgaagctag aaaaatgtng tgtctnccaa ccacctttcc atccccagcc      420
cctctcatcc ctggagcact ctgccgctca agagctggtt tgttaattat ngttagactt      480
tgccattggt ttcttttgtc ctgaagcatt ttgaaaataa agttacttaa gttaaaaaaa      540
accaaanaaa nactcgagcc tctanaacta tagtgagtcn attacgtnga tccaganttg      600
atnagaaaca ttggtnagtt nggnaaccac aacttgaatg ccncggaaaa aangccttat      660
ttggtaaaat tgtgangcna ttggtttatt cgtaaccttt ttaaccggcn ttnacaagtt      720
aaccacnacc attgctttna ttttatggtt tagggtcncg gg                         762
```

<210> 4099
<211> 818
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(818)
<223> n = A,T,C or G

<400> 4099
```
tgnnnnnttn anaancagct cttgtttttnn agcangatcc ctcgattcga attcggcacg      60
agcagccttg gtgacagagc gagaccctgt ctctaaaaaa taaataaata aaatattgtg     120
agtctctgat ggggagcagt attgcatggt ggttgagaac tgaggctctg atgttagaac     180
tggattctga cttaacccac tgtttgccca catcttgagc cttggtttcc ctatctgtaa     240
aatggcagta ttctcgggct ggctgaggaa aggaaatgag gccaggcgcg gtggctcagg     300
cctgtaatcc cagcactttg gcaggctgag gcaggtggat gatttgaggc caggagtttg     360
agatcagcct gaccaacatg gcaaaccccc gcgtccacta aaaatagaaa aaaatagctg     420
ggcatggtgg tgcacccctg tagtctcagc tacttgggag acagaancag gagaattggt     480
tgaacttgga aggtggaggt tgcantgagc tgagatcgca ccactgnact ccatcctggg     540
cgacagagca agactgtctc aaaataaata aatnaataaa taaatnaagt tcaaaaaaaa     600
aaaaaaaaac tcgagcctnt aaaactatta ntgagtcgta tnacgtagat cccagacatg     660
ataaaaatac catttgatga agtttgggac caaaccccch ccttggaatt gccggtggna     720
aaaaaaatgc ctttttttg gggnaaaatt tggggangcc ttttgctttt aattttgtaa     780
acccattcnt taaagcttgc caataaaacc aanattna                            818
```

<210> 4100
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(821)
<223> n = A,T,C or G

<400> 4100
```
aanncnggct actngttctt tttgcaggac ccatcgattc gaattcggca cgagatccaa      60
ctgtggcttc tcccaggacc attacacttg tatctaaata cctacttgac atcttctttt     120
ggatactgaa taaagatctt gaacaaacaa ataaaaacag taggttgttg atgcatgtta     180
ctttgcccaa tagatatatt ctatcagaat gtgatttgta tatataatat gtttacatat     240
taaattttga ttcaattaaa attctccaca ggggagattc tgtggtaagt tctttcgtaa     300
atgaagtaat tattctagtg atttaagttc atgttacttg tactttatgc tttattattg     360
atgtgttatt atgcagtatg cttatttgtg ttttattctt atgttattta ctcttgtttc     420
tgattgatct ttcatgaagc tcctaatact ctgtccatag aagcacagct ataatgatat     480
ttacatatgt aaggaagact acaaatattt cttcttttga ttcatttttg gtgattatct     540
ccttggcaga cataaaagac tgatgtggtt tggctgtgtc cccacccaaa tcttgaattg     600
tagctcctct aattctcacg tgtcatggga gggacccagt gggaggtaac tgaatcatgg     660
gggcaggtct ttcccatgct gttctcctga tagtgaataa gtctcacgag atatgatggt     720
ttaggaatgg ggagttcccc tgggcatgct ctctctcttg cctgccacct gtagacgtga     780
ctttgctctt ccttcgtttn tgccaagatt ggngaggcct c                        821
```

<210> 4101
<211> 818
<212> DNA
<213> Homo sapiens

```
        <220>
        <221> misc_feature
        <222> (1)...(818)
        <223> n = A,T,C or G


        <400> 4101
tgnnnnnttn anaancagct cttgtttttnn agcangatcc ctcgattcga attcggcacg        60
agcagccttg gtgacagagc gagaccctgt ctctaaaaaa taaataaata aaatattgtg       120
agtctctgat ggggagcagt attgcatggt ggttgagaac tgaggctctg atgttagaac       180
tggattctga cttaacccac tgtttgccca catcttgagc cttggtttcc ctatctgtaa       240
aatggcagta ttctcgggct ggctgaggaa aggaaatgag gccaggcgcg gtggctcagg       300
cctgtaatcc cagcactttg gcaggctgag gcaggtggat gatttgaggc caggagtttg       360
agatcagcct gaccaacatg gcaaacccc gcgtccacta aaaatagaaa aaaatagctg        420
ggcatggtgg tgcacccctg tagtctcagc tacttgggag acagaancag gagaattggt       480
tgaacttgga aggtggaggt tgcantgagc tgagatcgca ccactgnact ccatcctggg       540
cgacagagca agactgtctc aaaataaata aatnaataaa taaatnaagt tcaaaaaaaa       600
aaaaaaaaac tcgagcctnt aaaactatta ntgagtcgta tnacgtagat cccagacatg       660
ataaaaatac catttgatga agtttgggac caaaccccn ccttggaatt gccggtggna        720
aaaaaaatgc cttttttttg gggnaaaatt tggggangcc ttttgctttt aattttgtaa       780
acccattnt taaagcttgc caataaaacc aanattna                                 818


        <210> 4102
        <211> 845
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(845)
        <223> n = A,T,C or G


        <400> 4102
gnnnnnnnnn tttntataga tacagctact tgttcttttt gcagggatcc ctcgattcga        60
attcggcacg aggatacatc caaatattat tcatgttata gtaaatcaga tgaagccttg       120
agcttctcag cagccacgta aggcttaaat atgagggaac aggggctctt agaagtgaag       180
tgacttctga aagatgcaca gagaattagg aaagagtctg aattcaaccc tggaaccctg       240
actttcaggt gagtgcctgg cccactaaag aatgacaaag ccatggggag tggcatggaa       300
agcatgagct ttggagttag acaggcctgg gtgtgaatcc tggtcacccc agttctgtta       360
aagacctcag aaaagttacc tagcttcatt aagcctgttt cttcagccaa aaattaatgg       420
tgttaacgct tacctctcag gatgggggtc acaaataaat agaacgacat aaagtacata       480
atacatcaat cagttaggat gtatttggct acaggcaaaa gaacagccct cctcaactgg       540
cttaaccaac aattaaccta ttatcttaca taaaagggag tctagaagta gggatgttcc       600
aggtttggct aatccagcag ctcaaccatg tcaacacaga ccgggttttc tctgtcttgc       660
ctttttgcca ttctcagtgc tttcatgggc tcccttttatg cttgcaatat gccagctgca       720
gcttcagaca tcaacttntc acatacctat gtccagagca gaagaaggac atttctcctt       780
gngcatttct actggagact aaattttcct gcctggcaaa aaaaaaaaaa aaaaactcg        840
nnccn                                                                    845


        <210> 4103
        <211> 830
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(830)
```

1286

<223> n = A,T,C or G

<400> 4103

```
actacagcta cttgttcttt ttgcaggacc catcgattcg ccacactgct gttctcatga    60
tactgagttc tcacaagtcc tgtttgtttt ataaggggct tttccccctt ttgctcaaca   120
cttcttcctg ccatcatgtg aagaaggacg tgtttgtttc cccttctgcc acgattgtaa   180
gtttcctgag gccttcccag ctatgtggaa ctgtgagtta attaaacctc tttcctttat   240
aaattaccca gtcatgggca gtcctttaca gcagcatgag aatggactaa tacactcctc   300
aaatgttttg aagattgttg caccttggaa ctaccagtgt gcacacaatc tggctcaatg   360
tatatattgg cccagcaagg caaagaactg aagttccagg atggaagaac ctgtgttctc   420
ctcataatag tatagaataa ttcaagatag gcaagaagga cagcagtaaa tgaagaccat   480
ggaagaaaag aaggaatgcc aaagatcgag gaaatctacc aagactagta gggtagtcca   540
gaagaagctg tttcagggcc tgttgccagc tatgcctttg agaacctcgg gatcccaaag   600
aatgagggga atttcttcag aaagacaatc tcggcatgca ttatttcttt ggtttgaaga   660
ttcactcatg ttgcatgcat ctgtagcttg tgcctttttt attgcctagt agtattctgg   720
catatgccta tcttacaatt tgattatcta ttcacctgtt ggatgaatgt ttgaattttt   780
tccatttgag gaatttatga ataaagctgc tnttagcatg aaaaaaaaaa              830
```

<210> 4104
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(844)
<223> n = A,T,C or G

<400> 4104

```
nnnnnnnnnn ttntnaanat acagctactt gttctttttg caggatccca tcgattcgga    60
gaatcatgac tgctggctga agcctgcatc tttgggtaaa caggcaatt aattcccaga    120
gaacaaggac atcatggata gttaaggcaa ccagataggt gcttatcctc taggtctcca   180
tccaaaatgg agtaatgaca cctactttcg tgttttaaga tttaaacgca gtaacatatg   240
taaagtgcag agtctgatgt tcgagtccac aacgatgtaa ataatgcaaa accagtggat   300
tactcatgct taatttatat tttacttgga aatttatttc ctttttcttg gttatctctc   360
taaataaggt aacttttta tacattttct ttttatatgt atttattctt ttttttttgt    420
gacggggtct cactctgtca ccaaggctga aatgcagtgg tgcgatctca gctcactgca   480
acctccactt tccaggctca agtaattctc cagctactca ggaggctgag gcaggagaat   540
cgcttgaact cgggagatgg aggttgcact ccgtctggat catgccactg cactccagcc   600
tgggtgacaa agcaagactg tcttaaagaa acaaaacaaa actacaaacc aatttgtttt   660
aaagcatgtt ttttctctgg taaagaacct tncagtgagt aacacaggac ataaatttac   720
tatggtaatt aagtcgtttt tatcanatgg nattattaag ttggtttat caagtggnat    780
taaaggattc atttgtttac agtattattc aacacnaatn ggaggataat tacaattcct   840
tatt                                                                844
```

<210> 4105
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(881)
<223> n = A,T,C or G

<400> 4105

```
gnagngtcnn ntttctaatg ctgganactc gttctttttg caggacccat cgattcgaat    60
tcggcacgag ggtacacgaa gaggtgataa tgacagccac caaggagatt tggagcccat   120
tttagaggca tctgttctat cttcccatca taaaaaaagc tctgaggaac atgaatacag   180
tgatgaagct cctcaggaag atgagggctt tatgggcatg tcccctctct tacaagccca   240
tcatgctatg gaaaaaatgg aagaatttgt ttgtaaggta tgggaaggtc ggtggcgagt   300
gatccctcat gatgtactac cagactggct caaggataat gacttcctct tgcatggaca   360
ccggcctcct atgccttctt tccgggcctg ttttaagagc attttcagaa tacacacaga   420
aacaggcaac atttggacac atctcttagg ttgtgtattc ttcctgtgcc tggggatctt   480
ttatatgttt cgcccaaata tctcctttgt ggccctctg caagagaagg tggtctttgg   540
attattttc ttaggagcca ttctctgcct ttctttntca tggctcttcc acacagtcta   600
ctgccactca naggggtct ctcggctntt tctctaagta agtatctgta aagtncatat   660
ttttggccaa tgattnanag gttagtgcnt taggggaaaa aacattcncc canantttgg   720
catgaattct ttaataatna ttctaatncc cnccttnann ttttnaaaan aanttttnna   780
cacnaaaccc cagatttgnc ttntttaanc atttnnttnn atttncnnan aganccncca   840
agntataaat tcggggaana cnaaaatngg ttcaatttnn t                       881
```

<210> 4106
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(831)
<223> n = A,T,C or G

<400> 4106
```
tttnnataca gctcttgttc tttttgcagg gatcccatcg attcgaaaag gtgaatgcag    60
aggcctggcc cagaccccag ccctgtgtgt caatacaact tttcacgttg ttacatacac   120
attttccagt ctgtgtctcc ctctgaaaga aaccctgaaa ttcaggttgc taatagattg   180
ttggttgcaa gtatgaagga cagaggaggt aagagaggag gcaacttgct aatgcaaaag   240
cagtgtactg aaagtcactt ttatttctta tttataatct acatgcacac tctggataat   300
agatgacact gctcattcag tactttaact tcaaagcaga gagaagccat ggatgacaga   360
gccgggagcg ggaatacaaa ggtactaaca acaagaggaa aaatgcctgt ttacgggatt   420
gcatttgtta gcacgctctc ttcagatatt gttcccccag gaatagcgaa aatatgtgca   480
gcgcgaacaa tgatttaaca tctgaaaatg gtacttaaag agtttctgtc tggtagtaat   540
gtgatggagg cttctgaagg gaacctgggg acttcatttc ttctatttat ctatatgtct   600
ctctggtttt agtgagcggt aattgcatat ttaacccctc aaatagcttt aaccctnacg   660
atgccacttt ttaccctgta taaaatgtac ttttatccca gcaaaggcag actcagaaat   720
tnccttaccc aaaaaattat ttaaaaaaaa aaaaaaaaaa cttcgagcct tttanaactn   780
tngtgagtcc gnnttacgta gatccngacc ttgatnagga tccattgatg n           831
```

<210> 4107
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

<400> 4107
```
gnnnnnnnnn tttnnaactt tgctaatnct tggctactcg ttctttttgc aggacccatc    60
gattcgaatt cggcacgagg cctctgtcct gaacttttta acccggtgcc acaacccgag   120
ggtctccata ggggcaggta aacggggatt ttaatcattt taagtgtctt agaatgatat   180
```

1288

```
tttgggaaaa agcactcctt ttcctaagga ctgcgactcg gtgaacagaa aggaggctat    240
gcggtgtggc cagccaactc aaggaggacg aagcaacctt tgcctctaaa ctgcctggaa    300
ccaaatgtcg atttttctga cccctcccag ggagtgctga gtagtgatgg tgtctggagg    360
gtcaaatcca ttcccaatgg caaaggttcc tcaccactcc ccaccgctac aactccaaaa    420
ccactcatcc cagtgtttgg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa    480
gccttggcca gagacctcac cagactcgac ttgcggcgct gggccagctt catggatgct    540
ggagtggagc acgatgacgt agcagagctg ctgcaggagc tacaaagcct ggcccagtgc    600
taccagggtg gtgacagcct cgtggactaa agttcccagt gtgggagaaa ggagctagtt    660
tgcaataaaa acagctggat gcaaaaagcc tctagaacta tagtgagtcc gtattacgta    720
gatcagacat gatnagatac attgatgant ttggacaaac cccactngga atgcantnga    780
aaaaaatgct ttatttgtga aatttgtgat gctattgctt tattgtaacc attattaagc    840
tgcaatan                                                             848
```

        <210> 4108
        <211> 849
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(849)
        <223> n = A,T,C or G

        <400> 4108
```
gnnnnnnnnn tttnaacctt nctaatnctg gctactngtt ctttttgcag gatccctcga     60
ttcgaattcg gcacgagaga aaccagnatc acacaggaat gactgggatt ttaggcctgg    120
aatgtacctt taaaattatc ttattacaca ccatccttca ttttttctcat tttcctctttt    180
tgggattcat atattaagta ttagggcatt aaaacacaac tgtatatata aagaaaaata    240
taaagtaacc acacatgctc agggaaagac acaggctcag aaaatgcctg agaagaactt    300
agtttcacac cccaggctga tcctaagcac cgagacagcc tacaacaatc caaaaaacaa    360
aaacaataaa taaaagtaa caaacaacag caaacctaag agaatgacga aaatataatt    420
tccagaatta ccactttatt agagtcaaat gtccagtttt taataaaact cagaagcata    480
caaagaaaca ggaaattatg gcccatcaaa ggatcaaagg aaaaaaaaat gaatggaaac    540
tgtactgaaa aagacatgat ggcagatata ctagaaaaat actttaaaat actgtcttaa    600
tgatgcttta aaaactagag gaagatgtgg aggaagtcaa gaaaatgatg tacaaacaaa    660
acagcaatat caataaggag gtagaaaact ttaaaggaa acaaaaaaat tctagagtgg    720
aaaagtncaa tactgaaata aaatattact agtaggattg aagtcatgtt tggaataggc    780
aaaaaaaaaa annnnnnnnn nnntnnaaaa aaaaactngg cctttaaac tttnggggtc    840
ngtttacct                                                            849
```

        <210> 4109
        <211> 835
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(835)
        <223> n = A,T,C or G

        <400> 4109
```
tannccngct cttgttcttt ttgcaggatc ccatcgattc ggtttggcag tctctgaaaa     60
tatataccetg ccatatgatc cagccagttc actgctacct agtttcccaa aagaaatgaa    120
aatatatgta tatgtgaata ctcatatact aatattcata gcagctttgt ttgtaatgga    180
caaaacaacc caaatgtcca tcaacgttgg aatggaaaca acccaaatgt caatcaacaa    240
gtgaataaac aaaatgtgct atacgtatat aatggaatac tactcagcaa taaaaaggaa    300
```

1289

```
tgaaaggaat gaactaatga tgcatgcaac agcatggata catctcaaaa taattatgct      360
gaatgaaaga agccagacag caaaaatttc ctactgagtg attccatta tataaaaatc      420
tagagaatgc caattagcct ttagtgaaat aaagcagaac agtaattgcc tgtgacaggg      480
tgggaaagat ttggactgga agcagggatt accaagaggg gtgagaaaac ttttgaaggt      540
gatgaatatg tacattgtct tcattgcttt ggatggnttt tccagggtgt atattgtaat      600
ttcaaaaaat gatcaaaatt tntacacttt taaaatantg gttcaagttt tatttttat      660
attgaaataa aaggctggat taaaaatggc ccnaaanann annanactnt tnantntntn      720
nncncntnnn tnncnnnnnn ntcntnnnnn nntntntnnn nnnncnnccn gcnccttntt      780
aaaaantttn gnggggggnc gnttttccn tngaacccc cnctttgttt tanct            835
```

        <210> 4110
        <211> 772
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(772)
        <223> n = A,T,C or G

        <400> 4110

```
acattnngnn cgcctttcng tttganccca tcgaccgaat tcggcacgag gctngatcgt       60
ctgggcctgn gtttnanctg gnatnggatn ctcaatcctt nttgttcaaa ttttnaagtc      .120
cagaaagctc tgaaaactga aagttttttc ataatttatt tcactgtaaa acctgaattg      180
aactgatatt tatctcacta aaaatgagta ttcatatatt gnactgtang aatngtaaaa      240
ttaccaagta ntancccaga cctagttaga taaatgcacn attngctttt aattncaaaa      300
aaatcttaan tctgaggcac atttggctga cagcatttca gatnagggat tttgaacctc      360
taattcaatg atgtngataa atatcaccac ttctactacc attgtctatt actgaacact      420
taccatgggc caggtacaga gaaggaattg acctaataag ctnttcggnc cntananagc      480
tntaaaaggc aggtcctttt attgacgtca ttttattgct ggtcacccaa gtggcaaggc      540
tgggctgatc cattggtcaa gttatgactg ccgtgctcct ncccaaact taangcagaa       600
ntctcagtgc agatgatcct ggacttacca aggggggttat nctaaatnga ataagaactg      660
ggcctaaaat tgggaaanat tggtaaggcc ttttaatacc atnttaacca tcttagcttt      720
gncttaacct acccttaaan ngtgcctcaa ggacacttac atttaccgna cc             772
```

        <210> 4111
        <211> 790
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(790)
        <223> n = A,T,C or G

        <400> 4111

```
ttttctttnn ntnnatcagc tcttgttctt tttgcaggat ccctcgattc gaattcggca       60
cgaggggacc tcgatcatga caggctcatc agcctgtgcc tgacccttct cacgtgaccc      120
cagacatcct gcaacctggg gggacattcc tttgtaaaac ctgggctgga agtcaaagcc      180
gtcggttaca gaggagactg acagaggaat tccagaatgt aaggatcatn aaacctgaag      240
ccagcaggaa agagtcatca gaagtgtact tcttggccac acagtaccac ggaaggaagg      300
gcactgtgaa gcagtgagga tttcttgtgc cattttcata atggtcatta gctccttta      360
agctanaaac gtacctgagc ttcctgaagag ttcctgggag atttgagctg attttggaaa      420
tggagcatga caagtgggga gtctctctct ctctttctct ctctctcttt ttaaccaaaa      480
agagatgacn aaactaagtt caggggccat ggaaaatgaa aaagtccgct atattgngat      540
ttgggaagaa gaaagttntc angaagaaan angtgangat tgaangatng agaaaaacag      600
```

```
acttgttggg aagggtcana aaggaattcc cccgangcaa gggattggtg tgcccatttg    660
tgcctttgac cgggaccttc atcttattat actggttaaa cttgtnanac cacaaaacag    720
gggtttttcca acccctgttt ttagaacccc acgcnccaga tttttccaat tctttaaagg    780
ggggctggtt                                                           790
```

```
        <210> 4112
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 4112
ggtnnnnntt gnaatcgana gctacttgtt cttttttgcag gatcccatcg attcgaattc    60
ggcacgagga aagctcatta ccagtaggac ataatttttg gctctcccta ttcacaacca    120
gtgcacagtt tgacacagtg gcctcaggtt cacagtgcac catgtcactg tgctatccta    180
cgaaatcatt tgtttctaag ttgtgtttat tcctggagtg acatgccacc ccgaatggct    240
cactttcact gaggatgctg tcctctgatt tagctgctgc ctccagcctc tggcttgaga    300
acttactaaa ggcacttcct tcctgttaaa cccctgttaa ctctccataa atttggtgat    360
tctctgctag gcctaagatt ttgagttaac atctcttgaa gccaaactcc accttctgtg    420
cttttttgctt gggataatgg agttttttctt tagaaacagt gccaagaatg acnagatntt    480
taaaaaaaga aaggaaggaa aaaaaaaacn cttccttttta aagaaattcc ctaccngatt    540
tttaatatag gtnatcttac cactttctttt tctagtttct tggattttna gcttaggctg    600
cattctaacc tcatactgng naanaccaaa ggtggttttt ngattcanna aattttttga    660
aaatctgcat aagccttaaa tttggtaaaa aattaangaa aaattccttt aaaaaaaaaa    720
tannnnnnnn naaaaaaaaa aacctgnggc ctttanaact ttgngagtcn tttcc    775
```

```
        <210> 4113
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(773)
        <223> n = A,T,C or G

        <400> 4113
ctaatccctt gtttctaatg cttggctact ngttctttct gcaggatccc atgcgattcg    60
aattcggcac gagcccagag aagagctttt cagagaaagg tacagacaag aagctagaaa    120
gagtggaagg agcagcagtc ttgcaaggaa gcagggcaga gacacagccc atggcccctc    180
actgccctgc tggaagggct gatggagctc cccgcagcat ggttcctgcc tgggtgacag    240
aggctcctgt ggccacttta gaagtgcggt ttactcctca tgccgagatg gaccttgggc    300
agctcagttc acaagatgtt ggtcaggcgt catttaaata ttttcagtca gcagaggaag    360
caaagcgtgc cattgaggct gtgctgtcag cggatcctcg gtctgtgtac cgccggaagc    420
tttgccagga ccgccttttc tactttactg tagacatagc gcatgtcact tgctggtttg    480
gtgatggctt tgcagaggtg ctgaggatca agccggcttc tgagcctgtt catatgactg    540
gccctgtggg gtccttggtg tctctggggt cttaaggacc tncctcatgt cttttaaggta    600
gcatcattga tctttggatg tggctttttg gatttcttga acaagctaat gttgtgtcaa    660
gaagcaacac ttttgtgaat ctcattggct ttgattggat ttgggcttgt tcaaaaatgt    720
ttatttgaaa aacgtattcc tttaataaac ttaaccaaag agattttaaa att    773
```

```
        <210> 4114
```

```
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

<400> 4114
gnnntattgc aattngatag ctactngttc tttttgcagg atcccatcga ttcgaattcg      60
gcacgagggt acccagtagg tatcgttgga aacaacggag ttctcttttc tgaatctgca     120
aaaaagggta ctcactttgt ccagttatgc tgccaaagaa atattcctct gctgttcctt     180
caaaacatta ctggatttat ggttggtaga gagtatgaag ctgaaggaat tgccaaggat     240
ggtgccaaga tggtggccgc tgtggcctgt gcccaagtgc ctaagataac cctcatcatt     300
gggggctcct atggagccgg aaactatggg atgtgtggca gagcgtatag cccaagattt     360
ctctacattt ggccaaatgc tcgtatctca gtgatgggag gagagcaggc agccaatgtg     420
ttggccacga taacaaagga ccaaagagcc cgggaaggaa agcanttctt catgctgatt     480
aaaccgnttt taaaaaaccc ttctttaaaa ntttgaagag gaaggaaccc tactntccag     540
ccaaggtatg ggatgatggg atcattgtcc acagacncag actgtcttgg tctngtttag     600
tgcacctnac cccatngaga gatgntcgtt cttagatgta ctggataagn gttctgtgaa     660
tnctgaatac ctgngtanct aaattaactt cnctagtgtc anat                     704
```

```
<210> 4115
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(758)
<223> n = A,T,C or G

<400> 4115
gtnnnntttc aattgnttag gctctcggtt ctttntgcag gatcccatcg attcgtttca      60
gctttcgtta ccagcaggag ctggaggagg aaatcaagga attatatgag aacttctgca     120
agcacaatgg tagcaagaac gtcttcagca ccttccgaac ccctgcagtg ctgttcacgg     180
gcattgtagc tttgtacata gcctcaggcc tcactggctt cataggtctt gaggttgtag     240
cccagttgtt caactgtatg gttggactac tgttaatagc actcctcacc tggggctaca     300
tcaggtattc tggtcaatat cgtgagctgg cggagctat tgattttggt gccgcatatg      360
tgttggagca ggcttcttct catatcggta attccactca ggccactgtg agggatgcag     420
ttgttggaag accatccatg gataaaaagc tcaatagcat ctttaacgtg aaaatnaaac     480
cagaacncna nnaaggcctt tanggatttc ngggtttttg cccacggcca caggttcatn     540
tccagaggaa tgcaaaactg anacnatcca ggaagagcta aaacatggcc ctgtaataaa     600
tgaccagacc tttcctgngg ttcaaattnt taacacactt cctttctttt gggaaaaaaa     660
aannnnnnnn antnnnntt nnaaaaaaaa aaacttgacc tttaaactnn aggatctttt     720
actnantcca acttgntaga nccatggtna gttggnna                             758
```

```
<210> 4116
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(869)
```

```
        <223> n = A,T,C or G

        <400> 4116
ggnnnnntnn nntttgaaac cttnggctac ttgttctttt tgcaggatcc catcgattcg      60
aattcggcac gaggtcaacc tctaccacgt gcgggaggat ggctggatcc nagtctccag     120
ngacaatgtg gctgatctac atganaagna tantggctct accccctgaa agagggtgga     180
tgcanctgct tgtgtatntt ggggtgactg tcattggtaa tacggacaca gtgacccatc     240
ctccatncta tttatagngn aagggccttc antngtatca gtacttgatt tnaagctctg     300
gcacattgac ctntatgtgt taccagtcat taatgagctg ntgcacgagg tgactattng     360
ttanactntc ttagcatgtt aacattacac tnctcactac tcatananaa gnntnnnnan     420
aacttgagnc cttताaaaac ttttaagtna gtcannattt ccgttngatt ccaatanctt     480
ngaatnaaga atncctttgg gntnaatttt tggaatcaaa acttcctacc tttgnaaatt     540
nncnntgtgg aaanantaaa atntgcttta aaattttnng ttgaaaattc ttggggggaa     600
ncgatttttt nngnctttnn aannngnggg ttaccccctt tnattannnt cttnaaatan     660
ttnccaaann ttttaacccct caacctttt ggnnttttan tttttaagng gttncatgnt     720
aaaangtnaa atntntttgt anngnttttt ttntccagnt nccnngngtt cttnanaaat     780
ttngcccnnn gtgtcnacaa nntntttgn tnccntaatt tatnggnngt tttnttnccn     840
ctnttgtcat aaaatagngt taanctgnn                                      869

        <210> 4117
        <211> 817
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 4117
ggtnnnnntt ttnnnntaca gctacttgtt cttttgcag gatcccatcg attcgaattc      60
ggcacgagga gatgctgaag gaaattatag ccagaggaaa ttttagactg cagaatataa     120
ttggcagaaa aatgggccta gaatgtgtag atattctcag cgaactcttt cgaagggggac    180
tcagacatgt cttagcaact attttagcac aactcagtga catggactta atcaatgtgt     240
ctaaagtgag cacaacttgg aagaagatcc tagaagatga taagggggca ttccagttgt     300
acagtaaagc aatacaaaga gttaccgaaa acaacaataa attttcacct catgcttcaa     360
ccagagaata tgttatgttc agaaccccac tggcttctgt tcagaaatca gcagcccaga     420
cttctctcaa aaaagatgct caaaccaagt tatccaatca aggtgatcag aaanggtcta     480
cttattgtcc gacaccatng aantnttttg agggttgcna aanaccattg aaaaaagaac     540
naaaagcctt aaaagccctg tnttcncttg taaattcacc tgcaaaaata tggattggct     600
ntttaccaac ngggcaaccc tggcaaaccn aaaaaggctt gtgggnattt ggaattattt     660
ggtnccgaaa atngtctcnt ggtaanttat tcattactta cttnaaagaa ctggtttcaa     720
aaatnggcaa gcnttccttn aaaagcccag tttgttaaaa aatanggtcc cccttgnctt     780
ggttccaaaa nnaaaaggcc nnaanggaan tttccnn                             817

        <210> 4118
        <211> 861
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(861)
        <223> n = A,T,C or G

        <400> 4118
```

1293

```
gntnnnnnnt tgtntncata caggctactt gttcttttttg caggatccca tcgattcgaa    60
ttcggcacga gccggcttcc tcatcaacct cattgactcc cccgggcacg tcgacttctc   120
ctcggaggtg actgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt   180
gtcaggcgtg tgcgtgcaga cggagacagt gctgcggcag gccattgccg agcgtatcaa   240
gcctgtgctg atgatgaaca agatggaccg cgccctgctg gagctgcagc tggagcccga   300
ggagctctac cagactttcc agcgcatcgt ggagaacgtg aacgtcatca tctccaccta   360
cggcgagggc gagagcggcc ccatgggcaa catcatgatc gatcctgtcc tcggtaccgt   420
gggctttggg tctggcctnc acgggtgggc cttaccctga agcaatttgc cnaanatgta   480
tgtngcccaa tttngccgnc caaggggggg aaagggccca ttngggggccc tgccnaaacn   540
gggcccaana aaaggttnan ggaccattga attnaaaaaa aacctttttgg ggggttgaac   600
aagggtncct ttttggacccc ccaanccccca aacggggcaa aggttttnaa ncnaagggtt   660
naagcccaac ccaaacccccc ccnaaaaggg gnaaanaaaa cttggccaan gccaaccntt   720
ttttggccaa acttggaacc cttgggaanc cccattttttt tnaangggng ttttggatgc   780
cnaaccattg aaattttcaa ggaaaanaag gaaggccngg gattngggaa aaccccaaaa   840
aatttttttc catttttttt n                                              861
```

```
        <210> 4119
        <211> 851
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(851)
        <223> n = A,T,C or G

        <400> 4119
ggtnnnnntt gtaanntana gctacttgtt cttttttgcag gatcccatcg attcgaattc    60
ggcacgagcc tcattatcca ccacgcacag atggtacagc tggggctgaa caaccacatg   120
tggaaccaga gagggtccca ggcgcccgag gacaagacgc aggaggcaga atgaccgcgt   180
gtccttgcct gaccacctgg ggaacacccc tggacccagg catcggccag gaccccatag   240
agcaccccgg tctgccctgt gccctgtgga cagtggaaga tgaggtcatc tgccacttttc   300
aggacattgt ccgggagccc ttcatttagg acaaaacggg cgcgatgatg ccctggcttt   360
cagggtggtc agaactggat acggtgttta caattccaat ctctctattt ctgggtgaag   420
ggtcttggtg gtgggggtat tgctacggtc ttttaattat aatnaatatt tattggatgc   480
ttnaaaaaaa naaaaaaaaa aaacttnngg ncttttttnaa attttttaggg gagtcngtnt   540
tnccntagan tccagacntt gtttanggat nccattggtt gaantttttgg gaccaaaccc   600
ncaacnttgg aaattgccnn ntggaaaaaa aaantgcctt ttantttggg gnaaantttg   660
ggggaatgcc ttatttggct tttaatttttg gtaacccnnt tttttaaagc ctggcaattt   720
naaccnaggt ttnaccnanc caaccaaatt ggcatttttca tttttaaaang gtttttnnang   780
gtttcaaggg gggnaaggtt tttgggaaan gtttttttttt aaaatttnnn ggggcccccnn   840
gggngccncn a                                                         851
```

```
        <210> 4120
        <211> 848
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(848)
        <223> n = A,T,C or G

        <400> 4120
ggtnnnnnatt taanntnagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg    60
cacgaggnnc ctgcaagggc tggtgtggaa acaagcannn tngntgcntg aagcaaaagt   120
```

```
nanacngngg  tgtnnactgt  tgatgtgacc  ccacaaagtg  tnggaaccgc  catcaaggcn    180
nggntagctn  gggcactgtn  gancggaccc  anaattncnn  nggntccttc  naactgnang    240
atcctaccna  ggtnacccnn  ggatngngct  tntntaatnc  nntttgtgcn  accccnaata    300
gcnngatcct  gaaaganatg  tgccatgtng  ancaggtgct  gtnaaagaag  actgcttcng    360
ctccctgncc  ttttgacctc  ccngagttga  aacatgtagc  aacacgnntn  ccatagaata    420
caaggctcca  gntgaagaaa  aagaaacggg  ntctggtcag  naacaatcag  nttccntntc    480
ttggangatt  cccctnttnt  aatnaaaagc  cctnatttna  nttttnnang  cnttnaattt    540
tttacncctn  caatntttgg  tttgcntaan  atgctttttc  aaggtttgan  aaccctttaa    600
anggggtttt  tttttnaaaa  tggactttct  tntgggattt  tnagggtttt  antttggctt    660
anttnaaaaa  aaaagntaac  caaaaaccgt  ttncttgnaa  aaagaanggt  nnacccttta    720
aatnggatnt  tgggcccttt  aanccttttca atgttccang  gnttacctna  cttttangtt    780
ntntcccaaa  aaaanggttn  ctaangtntn  ccttatttgg  actnnaanaa  cccnaattga    840
actttttnn                                                                 848


        <210> 4121
        <211> 756
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(756)
        <223> n = A,T,C or G

        <400> 4121
gnnntttcaa  tcganagctc  ttgttctttt  tgcaggatcc  catcgattcg  aattcggcac     60
gagtacatat  ttgtcataat  tacaataaaa  tacaaagagc  tattttggaa  ctgggcaagc    120
tgtttctaaa  tgtatatgga  aaaataaaaa  tgtctccaaa  aaatccctgc  agagggaaac    180
tagcccttcc  agatatataaa tatattatag  aactgtgtaa  ttaaagcaat  atggtactgg    240
tccataaaag  aacataaaac  caaatagttc  agtagactca  aaatgcaagc  gttggtgagg    300
gtatggagaa  aagggaaccc  ttttacactt  ggtgtgaatg  taaattagta  cagacattgt    360
ggaaaacagt  ttgtagagct  tcctcaataa  aaacacatat  gatccagcaa  tcccactact    420
gggtatatat  ccaaaggaaa  tgaaatcagt  atgttgaaga  gatacttnca  cgttcactgg    480
aaccttgntc  acattggcca  gnacttaaac  ctaaagggtc  catnaaccgg  aagatagata    540
gggctgaccg  cggtggccca  cgcctgtaat  cccagcactt  tgggaggcca  aggcaggtgg    600
atcatttgag  gtcagaagtt  tttgaccagc  cttggccaac  atgatgaacc  ccgtntttct    660
aaatttccaa  aaattagctg  ggcgtatggt  gggcacctgt  nttcccagtt  ctcggaggct    720
nangcaggan  aatgctgacc  cagggacgga  cttgnt                                756


        <210> 4122
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 4122
ggtnnnnntt  gnaatcgana  gctacttgtt  ctttttgcag  gatcccatcg  attcgaattc     60
ggcacgagga  aagctcatta  ccagtaggac  ataatttttg  gctctcccta  ttcacaacca    120
gtgcacagtt  tgacacagtg  gcctcaggtt  cacagtgcac  catgtcactg  tgctatccta    180
cgaaatcatt  tgtttctaag  ttgtgtttat  tcctggagtg  acatgccacc  ccgaatggct    240
cactttcact  gaggatgctg  tcctctgatt  tagctgctgc  ctccagcctc  tggcttgaga    300
acttactaaa  ggcacttcct  tcctgttaaa  cccctgttaa  ctctccataa  atttggtgat    360
```

1295

```
tctctgctag gcctaagatt ttgagttaac atctcttgaa gccaaactcc accttctgtg    420
cttttgctt gggataatgg agttttctt tagaaacagt gccaagaatg acnagatntt    480
taaaaaaga aaggaaggaa aaaaaaaacn cttccttta aagaaattcc ctaccngatt    540
tttaatatag gtnatcttac cactttcttt tctagtttct tggattttna gcttaggctg    600
cattctaacc tcatactgng naanaccaaa ggtggttttt ngattcanna aatttttga    660
aaatctgcat aagccttaaa tttggtaaaa aattaangaa aaattccttt aaaaaaaaaa    720
tannnnnnnn naaaaaaaaa aacctgnggc ctttanaact ttgngagtcn tttcc    775
```

```
        <210> 4123
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(770)
        <223> n = A,T,C or G

        <400> 4123
gnnttcaaat cgatagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac    60
gagggccgtt gggcgagatg aagctacact gtgaggtgga ggtgatcagc cggcacttgc    120
ccgctttggg gcttaggaac cggggcaagg gcgtccgagc cgtgttgagc ctctgtcagc    180
agacttccag gagtcagccg ccggtccgag ccttcctgct catctccacc ctgaaggaca    240
agcgcgggac ccgctatgag ctaagggaga acattgagca attcttcacc aaatttgtag    300
atgaggggaa agccactgtt cggttaaagg agcctcctgt ggatatctgt ctaagtaagg    360
attccatatg gctctcatat cattccattc catctctgcc aagatttgga taccgcaaaa    420
atttgtgttt gtggaagatt ctgctgaact ctttcattca agggactact tccattgaat    480
ttggattntg tttgccccac attgggggtc ttantanana atttggggtg gnncntgaag    540
cacctattaa tctcttaatt tctggttctc ttangctggt tatgttaaat tcctccgata    600
tgttaaaagt aatgggtgag accagaaaaa gaaatttcaa ttaccagatc antttggggt    660
gcattgtatg attttgcacc ntcaaaatgg aattanggga agaattctgg ntcttgcttg    720
gaaaggganga tgtgtntagn tncccatta natgactcca aattttntta    770
```

```
        <210> 4124
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(707)
        <223> n = A,T,C or G

        <400> 4124
gntnnnnntt tgtntncatn cagctacttg ttctttttgc aggatcccat cgattcgaat    60
tcggcacgag ggaacatcca gtgcctgcag gacgtggagc gctgcctccg ggacacgggt    120
gtgcagggcg tcatgagcgc agagggcaac ctgcacaacc ccgccctgtt cgagggccgg    180
agccctgccg tgtgggagct ggccgaggag tatctggaca tcgtgcggga gcaccccgtc    240
cccctgtcct acgtccgggc ccacctcttc aagctgtggc accacacgct gcaggtgcac    300
caggagctgc gagaggagct ggccaaggtg aagaccctgg agggcatcgc tgctgtgagc    360
caggagctga gctgcggtg tcaggaggag atatccaggc aggagggagc gaacccaccg    420
gcgacttgcc cttcactgga tctgccaccc tacattcggc cggggcccaa gganganaac    480
cagganaaag cagtccccca aaaagcgggc cttgnaggaa aaggangtgg cacggangtc    540
tgtcttanac ccnttgcaaa aggacaataa tatttaaagt gaaaaanana nnnnnnnnnn    600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnannnnn ngnnntnnan nttnnnnnnt    660
nnnnnnnnnn nnnnnnnann nnnnnnnntn nnancnnntn nnnntta    707
```

```
<210> 4125
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 4125
gntnnnnnnt tttatatata caggctactt gttctttttg caggatccca tcgattcgtg     60
cttgttcgtt tctgtgtact tgcttagtgg actgtagcaa cacactcagc ttctccagtg    120
tcaacccaca ttggctttcc cactctacag tttctgtagg atgcatgttt tcaccattat    180
caggcttctg cagtgctcag agggcagcaa tacccagcaa ccagtgaccc gaggccagca    240
acttctttta cttcccctc agttggattt gtaacagagt atctttggtg ggacacttct     300
gtgtgaagag attttactag caccctaaag aatggatttc tggcaagttc cacaaggtag    360
acttccagta agttctgctg gtgcagcact acagcaactt ccgtgctatt cagtgagagg    420
actgtgttct ctccaacaag gtctggatct cagccctggg atggtttaag gtcngangaa    480
gctnttgctt tggggntctg ngnnaanctn agggacttng gnactntnaa nagtctctta    540
ttcnnatagt naatanctgt tctcacccat gttaatagta gngacctta taagttcatt     600
tcaatactgg ggttcttcga tgnttcttct tattagacgt gaaatgtgat gtgattgtat    660
agnatgntac ata                                                       673
```

```
<210> 4126
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 4126
gntntnnntt tgtatannta caggctactt gttctttttg caggatccca tcgattcgca     60
gcaatgtttt gtggctttta ttgtacaagc ttttcacctc cttggttaag ttagttctta    120
agtgtcttat tcttttacgt gctattataa atggaattat tttcataatt tccttttcag    180
gttgttaatt attagtgtac agacatgcaa ctgattttg cacattgact ttgccagtga     240
catgaacctg tatgtagaaa accctaaaga ttgcacaaaa aaaatggtta gcttgagacg    300
taaaccttag gcaaagagaa gtttgtgatt tgtaagaaat ttaaaattaa taggattaaa    360
aagagagctg tgggccttgt tatgtatttg ctttggaagc cctctaagaa aatttcaggt    420
caattttta ttctctgccc tactggaatg cccccagatt atgtgacaat gangtcttat      480
tttaatatgt ncanaatttg gtnanantgg caatnnttgg gttcnanatt ttcccatttc    540
agaaaattnt ngcttttcn ggtgatgtct tatcctcttg ngtgggtccc aagtgagccc     600
tgatcctttc agatncattt tatatactct ggtggtgatg aatatttnat ctctggcaaa    660
tactgnccat gctaattccc tggaggacct nggatncaat attattggaa ttntaaatca    720
aggttaacct aagtcaaaga gtctnanctg ccc                                 753
```

```
<210> 4127
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

1297

```
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 4127
nnntntnnnt tttntacata nangctactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga ggcgagggcc tggcccccag ggcggccaca ccagaaggtc ggagaaaggc     120
ccaaggcgga tgccacgccc agcagtggtg agggacccac agattttgga aacgacctgg     180
acacactatt gggaaggaga tgtggacggc ctgtctcctc ctgcagggcc caccctaaga     240
atgtatttt aaacacatga aataagtatt tttcactgat aaaaaaaaaa aaaaaaaaa      300
actcgagcct ctagaactat agtgagtcgt attacgtaga tccagacatg ataagataca     360
ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa aaaatgcttt atttgtgaaa     420
tttgtgatgc tattgcttta tttgtaacca ttataagctg caataaacaa gttaacaaca     480
acaattgcat tcattttatg gtttnaaggt taaggggaag tttttggaaa ggttttttaaa     540
ttcnnggccn nggnnccaat tgcnttgggc ccggttcccc aantttttngt tccctttttat     600
tganggggtta attgcccccc ttgggcgtna atcatgggcc ataancttgg tttccctggg     660
gtgaaaattn gntattnccg tttnacaatt tcccacacaa nntttncnaa ncccgggaan     720
ccttaaaant gtnaaaaccc tgggggggtgg ccctaaatgg aattgaacct taacttnaca     780
tttaantggc ntttnnnnct tnaattggcc ccntttt                            817


        <210> 4128
        <211> 684
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(684)
        <223> n = A,T,C or G

        <400> 4128
agnnnnnnnn nnttgaanac nnnagctact tgttctttttt gcaggatccc atcgattcga      60
attcggcacg aggataggct tagaaattat tttttatcag cattaagtgc ttcaatttct     120
ccccataaag attctaagga aatttcagtt cctcatatta tagttttccc cataatttaa     180
tattactaag tatttctctg cccagtaatg ttgatgcagt ttgcataaat agccttggaa     240
gtaaggaggc aggacagaaa gccaaatatc gaaatctctg gccttgattt agtgacagtt     300
tattctaatg gggaccatag gtgttattag taaaaagata gtgtacaagg cctaagttca     360
gtttacattg ttctttgaaa tgagttcatc ttttgtgttg aataattgta ttctaagtag     420
gagatgcctg tatttaacat aatcatgctt tctatataat caaatatgta tttgntggaa     480
tactggtaga aataccttcc ttcctcnttg ccanggaaaa aaaactcccg attatncngn     540
tataaatagg aatttgtaca tattacattt taaaatttaa atgcatatat ttgaaggatg     600
gatatagtct gagctatgct gcttaattca ctcctggacc gncaatgttt tatatggctg     660
ctatgctggt acgngctgat gnaa                                           684


        <210> 4129
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 4129
acganagcta cttgttcttt ttgcaggatc ccatcgattc gnnnctannt cgagaagagg      60
tntggtnacc tnctgntgcn cncnctgggc tggacggnaa gangactnnt nnntcnangg     120
```

1298

```
ngngnnnngc ggcacaccng gtatttganc atgcattatc tncacacact gtgcagcatc    180
ctttggagag cacaacgcat ggaaaggtca tnnannntnt ganttgccat ntcnntngcg    240
ngtcntccta cccaagtaaa agntaccttg gcnatnntac cnccgntttn ntcactcncn    300
aggacntatt acctggggtg cntnnaacgt aatcnnntac tnnnnctcat tctnacnnnn    360
nttggaccca tngncttgct gncacaccta tgaagnactg tttcacagcn ctttcacttc    420
ctacnaaggt accatgttat ttatcttgcc tngaaaattc tgaattntac ncttaaattt    480
taanntttnt tnactntnaa ngcaaaaatt ttttgaactg aaaggtcntt aaaggcnttt    540
ngactcttca tttttcaaat tngggaaaac aatgctcaaa agagttntnt tnaccttngt    600
aaannaangg gaanaanaat ctggaatctt tcctgancct ntacnttaac ctcttntntt    660
cactggtnct tgcanttttt tcctaagtna tttnntnggg attatttnat ttcaaccaaa    720
cacttgancc cttttttanng ccaatgcact tggttaaacc atggggnaa aaatgcccc    779
```

        <210> 4130
        <211> 779
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(779)
        <223> n = A,T,C or G

        <400> 4130

```
acganagcta cttgttcttt ttgcaggatc ccatcgattc gnnnctannt cgagaagagg     60
tntggtnacc tnctgntgcn cncnctgggc tggacggnaa gangactnnt nnntcnangg    120
ngngnnnngc ggcacaccng gtatttganc atgcattatc tncacacact gtgcagcatc    180
ctttggagag cacaacgcat ggaaaggtca tnnannntnt ganttgccat ntcnntngcg    240
ngtcntccta cccaagtaaa agntaccttg gcnatnntac cnccgntttn ntcactcncn    300
aggacntatt acctggggtg cntnnaacgt aatcnnntac tnnnnctcat tctnacnnnn    360
nttggaccca tngncttgct gncacaccta tgaagnactg tttcacagcn ctttcacttc    420
ctacnaaggt accatgttat ttatcttgcc tngaaaattc tgaattntac ncttaaattt    480
taanntttnt tnactntnaa ngcaaaaatt ttttgaactg aaaggtcntt aaaggcnttt    540
ngactcttca tttttcaaat tngggaaaac aatgctcaaa agagttntnt tnaccttngt    600
aaannaangg gaanaanaat ctggaatctt tcctgancct ntacnttaac ctcttntntt    660
cactggtnct tgcanttttt tcctaagtna tttnntnggg attatttnat ttcaaccaaa    720
cacttgancc cttttttanng ccaatgcact tggttaaacc atggggnaa aaatgcccc    7.79
```

        <210> 4131
        <211> 758
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(758)
        <223> n = A,T,C or G

        <400> 4131

```
gnnnntttcn aaannttttt gaaanccttc ttnncctttc aaancgcttn cgaattcggc     60
acgagcactt gtcaggggag aggggacagc aaggtgggag gttgaagagc tttgaggctc    120
agcagcatgt ttgtggcatt cggtggacac catggccttg ggcggctgga caggttttg    180
tgatgtgagg gacacgcatg gggcacatgg taagcttggc aagggctcca ggaacgctga    240
cgaagggttt taggaccccc accccatgc ctgtaccagg gctggcctnc agagcgggtg    300
aggacagagc agctgtgggc ttttcattct gaggtcttgg ccccctgcc accgcaaggg    360
actctttgct tgtcagggct tgcaaaacc aaccttcgag aaagaaagg gaactcttca    420
cgttgaatgt tgactttgtg tgtatgcctg tgtgtgtgtg tgtgtgcacg cgcgcgtgtg    480
```

```
cgtgtttact tcatggaatt ttgttttgtg aaattcccct caatcgtgtc agaatttacc      540
ttcatgcccc atcacactgt tggttctgcg ctctgaacct gggtgtagct catttgaang      600
actctcttct gcgtttccta acagttattt ggtggtctca aaagttgang ttgtggaagg      660
gttgggaaga aactgaagtt ctatccattt ccatagaatt tacatnctgc atttnaaang      720
canggaaggc ttaaccccgg cccaaaactt ncaggcct                             758
```

<210> 4132
<211> 1335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1335)
<223> n = A,T,C or G

<400> 4132

```
gccctttcta antgctnaga cccttgtact cctcatgaac gtttggnaaa tnccgcacga      60
ggaaacagac aaatctgtaa taacggccta ancctntttc tgngatnagn ntcatttttg     120
cccantcnna aaaaatgtgn aatagnttat tcaagncaan cagctcattt tccaacaatc     180
ctnngctcat gtgatccccc aatncccaca acttttntgga naacccnngg gccncanatg    240
gttgtggaaa aatggggttn tagatgggtt cgnggaactt gnagggtatg aaaaagggnc     300
cannccaggc tngaactggg gattnggann aaacnccaat cgnaaaaccn nttttttaaan    360
aacnccctt ttaanaaggg ggcacctgnt ntttaacggc taaganaaaa tttggaattg      420
ccccctcan gttncatnna aacggggatt tggaaatttt ggaacccct ggggnnann       480
attatcccat ccacaaanng gaaccctggg ggcancnccc aggggganct ttgggaaaac    540
aaggggggcc ccttggcctt ttaacggccg ngcctntttt tgggcantaa ncnaggctng    600
ccctaannan ggggccncc ctttntntaa ccncccanna cctttncggc gtttcncant     660
nccccntggn gncttaaacn ctgggntgcc cntgtctatn ncnagaccc ttttttngccc    720
ntgggggggnc nantttaagn cccccccnt tgggaaaatn tccccccaan nggngnanng     780
ggngngccn aaatttncc nncgnnccnt ttttgcnanc ntntnggggcc natcccttat     840
ggntnaaacc cttngnaagn ntcaccaaat tngggttggg cccctttcta anggtaaaaa    900
caaaaaangg nnngggnnnc cntttgncan cattnncttt tcccaanacn ctttggnggg     960
gnaaaaaacc cctgtaanan ncaagcnccn gggnaanata aagggtaaaa atcncccnng    1020
ggnnccctta aggnnntttt naaagggaac nntaaanccc cnccgnggg ngnnaaattc     1080
cttgggcttt tacncnccnt ttgngccnca acnntgggac naaaggnttc tnacnagggn    1140
aaatngggg ggcntnaacc cgaacccccn antnccnct aagganagcg ntaanttaan     1200
gggaancttc ngccttgcaa anaaagntnt ttgnacaatn ttngcncgaa aanngnggn     1260
gaactnaaaa ctgggaccaa antccnccng gncctanacn ttananaaaa gatgntaaac    1320
aatngccccc ccccc                                                     1335
```

<210> 4133
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(848)
<223> n = A,T,C or G

<400> 4133

```
ggtnnnnatt taanntnagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgaggnnc ctgcaagggc tggtgtggaa acaagcannn tngntgcntg aagcaaaagt     120
nanacngngg tgtnnactgt tgatgtgacc ccacaaagtg tnggaaccgc catcaaggcn     180
nggntagctn gggcactgtn gancggaccc anaattncnn nggntccttc naactgnang     240
```

```
atcctaccna ggtnacccnn ggatngngct tntntaatnc nntttgtgcn accccnaata      300
gcnngatcct gaaaganatg tgccatgtng ancaggtgct gtnaaagaag actgcttcng      360
ctccctgncc ttttgacctc ccngagttga aacatgtagc aacacgnntn ccatagaata      420
caaggctcca gntgaagaaa aagaaacggg ntctggtcag naacaatcag nttccntntc      480
ttggangatt cccctnttnt aatnaaaagc cctnatttna nttttnnang cnttnaattt      540
tttacncctn caatntttgg tttgcntaan atgcttttc aaggtttgan aacccttaa        600
anggggttt tttttnaaaa tggactttct tntgggattt tnagggtttt antttggctt       660
anttnaaaaa aaaagntaac caaaaaccgt ttncttgnaa aaagaanggt nnacccttta      720
aatnggatnt tgggcccttt aanccttca atgttccang gnttacctna cttttangtt       780
ntntcccaaa aaaanggttn ctaangtntn ccttatttgg actnnaanaa cccnaattga      840
acttttnn                                                              848
```

```
        <210>  4134
        <211>  768
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(768)
        <223>  n = A,T,C or G


        <400>  4134
cntnnttgnn cnnnnnnnng ggggntttgc antgcggnct aatggctnng gctactngtt       60
ctttncgcag gancccancg attcggaaaa tataggcctt tattgtcttt aacattgaag      120
taactttgta gttttattca attatgagcc agcagatcct tagtttaggc ccttatattg      180
catacctaat tagaactttc cccaaagttc aactgcatga ccttaatgta ttggagcacg      240
tcttacaggt ggacttaaaa ctctagaatt tcctgagtcg ttgttatttt ccactgaagg      300
tctttccact gtacagcatt tcaggcatca tcactatgat tcttttttct tgactgttgc      360
ttgttttccc actgctcttt tccccaatgg cgagctgggt gtgccatctc tggggctctc      420
ttataggaac tcacagtcta gcctactgta ttttgttttc ggagaagtga aagtgaacac      480
tgttatttgc catcatacct ccatcaagaa tttcacttca ctaggaaata tatgggcctt      540
tcatggaact gatgattact gtggctgatg tgagtgttgg gcttangatg ctcacatgtg      600
gtagttggaa gttttgtaat ctaagatgga aatgagtggg ccatttaaat ggccatctaa      660
aggtcacagt gactgcanaa gaagtnagaa gagagtataa ttcttcagct ccctggactt      720
ccatangaaa gctngaaaat cttatcccca gattacccaa aaaaaaaa                   768
```

```
        <210>  4135
        <211>  798
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (1)...(798)
        <223>  n = A,T,C or G


        <400>  4135
gnnnnnnnnt tncgngtggg cnnntaggtg ggggnnttct nttttactna tagctngtgt       60
actcgttctt tncgcaagat cccancggtt cgaattcggc acgagggnaa cctttcaatc      120
actttaacta gtcncttaag gactctaggc ccagaagcct ggtttctggg tgaatgtttt      180
tatacatcac tcaacttccc tcgtcctaaa aggacaccta attttgttac tattgaaaat      240
ttttattttg gtggccagaa tacgaaatcg ggagaggtaa cccaaacagt tgtcttagga      300
aaaggcagat tctcagaggc aatgggctat caacaaaata ggtgctaagc acatttgttt      360
gtaatgatca ttcatataat ttanaagatt tatggtaaca gtttatattc attatccata      420
cagttctatt tttgcaaata gaataaccac ctataagcaa acagtgttaa tgagaaatat      480
```

1301

```
atattgtntt aagaaaatag catataccac atgaaaaaga gtgttcccCtt tctntttttt    540
tttttgccag aaatcaagtg tggaagncctt gatcaaagta aaactaccta tttgaactgc    600
acanataaaa ctggggtgcc caatccntat tttacatttc tngggcttga ttcatataac    660
tttgtaanaa aaaagtttnac tattnaaaaa gtcnngtgng ccttcacttt tgacttggac    720
ttctattccc cttttttgtcc tgggattnct ttttcctacn cnatttctnn aaatnttatg    780
aaangggcnt ntntncnn                                                  798
```

```
        <210> 4136
        <211> 1105
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1105)
        <223> n = A,T,C or G

        <400> 4136
gaccccnttc ntgattgggn cnnaggtggg gggttttcct ttttactaaa tngctngtgt    60
cntccntant ctnctnanna nnnagagcnn agtcctcana cagcncgnag ccccantagc   120
tgggcctaca ggcgcccgtc nccacaccna ctnttatggg ggggngnggg gnggggggaga   180
cggggnnttt accatgtttg cnncccgcng gtgnccncgt ggtcannnct gnngaccanc   240
tnttnccggn canancncnc cggnctcnnt atcccncncc aggncncncg ncnccntnca   300
nnnntgaann cccnccccccn ctcnnancta acnngnagcc acngccaant tcnnntntnn   360
cgtnncantt tnactacact tnttcnnctc ccntnttcca ctctnnngnc ncnnncnncn   420
nggtctnant nccntncttc ttntatagac gntcatcacn nccaccncca annttnnctt   480
cancataatc ncntntancc tncancncnn anntacggcc tcnntctccc nccccctnttc   540
tcacncttan ttctnctctc ctctcgcccn tnctnngccn ncctccnctc ccccttctnaa   600
tnntctnctn ntctctccct ntcnntttt c gntnancacn catnncatcn ccaccacctc   660
anctntatct atnatcttan cntcctcntc tccctcnctc atcactgttc nacnccntct   720
cacancannn atctcctctc acannttgct atcatctana tctctntctc ntcntcacca   780
nancctntac aanntcttct ccctctcnca tctcncttca ctctnncnac nntnacnnct   840
taccgcacgc ctccnctctc accttcactn ccccactntt cantntcgnc ncgnctctnn   900
gacctctctt cncncnattc cannnntctc ctcctaccna tnntcnattc tcnntcatna   960
ctactntntc anctaccana ncctnctcnt cataantccc ctcgacnntn ncncacctct   1020
actntgcgcc cncnnnccac tttcctctcc cnntangtca cctaccaanc anntnnatct   1080
nntattctan tcnantacnt tacct                                        1105
```

```
        <210> 4137
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 4137
nnnttttnnt tnttggngnn gnnnagtngg gggtttnctt tttttntaan ngctgcgcta    60
cttgttcttt ttgcaggcat cccatncgat tcgaattcgg cacgaggaga tccaagtggt   120
ttagaagggg atgattgctg gtgaaggttc tgaacatggt gacaggtggg aggctgagca   180
cacactcgta caccgctggc aggaagagaa atgacttttc tggactacaa tttggagata   240
acacaaacat taaaagaag aaaaaattgt atcccttttt gactaagcaa ttctaggatt   300
gttattttt tctcctgagg aaactagcat ggatgttcac attcaggtgt ggggatgttt   360
atcaatttgc tatttttagaa aagagaaaaa aagtttagca tgtcacaaga taattttcat   420
```

```
caatatatgg tacatccatt tagtgaaatg ctgtacagcc atttaaaaag atacagaaga      480
ggccaggcac ggtggcctta cttggctaat taaaaaaaaa aaatctgtag agatggggta      540
tcaccacgtt gcccaggctt gtctcgaacg cctgggctca agtgatcctc ccacctcagc      600
ctaccaaagg cctctagaac tatagtgagt cgtattacgt agatccagac atgataagat      660
acattgatga gtttggacaa accacaacta gaatgcagtg aaaaaaatgc tttatttgtg      720
aaatttgtga tgctatttgc tttattttgt aaccatttta agctgnaatc aaacaagttt      780
ncnn                                                                   784
```

```
        <210> 4138
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 4138
ctntntnggt cctnnnngnt ggctttctaa tgcntaannc tgntggtctn gttnttttcg       60
caggacccat cgattcgaat tcggcacgag gtggtacctt ggctttaggt tttcattcgc      120
acggaacacc ttttggcatg cttaacttcc tggtaacacc ttcacctgca ttggttttct      180
ttttcttttt tctttctttt nttttntntg agttgttgnt tgnttttaga tccacagtac      240
atgagaatcc ttttttgaca agccttggaa agctgacact gnctcttttt cctncctcta      300
tacgaaggat gtatttaaat gaatgctggt cantgggaca tttngtcaac tatgggtatt      360
gggtgcttaa ctgnctaata ttgccatgtg aatgttgtat acnattgtaa ggcttatgtc      420
actaaagatt tttattctga ttntttcata atcaaaggtc atatgatact gtatagacaa      480
gctttgtann gaagtntang ancancnatt tctgtacctg atcaagttta ttgcancctt      540
tcttttccna ttnctttcnt ttaagggtta gtattancaa atggcaatga gtcnaaaagn      600
tancatgaag atttttnnaan gagagaactt accggacaca gattngtgan nctttgactg      660
gggacaccta ttggatgtga ttcttaaaaa gcttttnatt ggagccattt ngccaaaatt      720
ttgnaaanct ttcatagggg gnattggacc nttattatcc natnaatncc ccctcctata      780
ttnc                                                                   784
```

```
        <210> 4139
        <211> 778
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(778)
        <223> n = A,T,C or G

        <400> 4139
tnngnnncnn nnntggggnt ttcaatnttt cnaantgngt ctngttcttt nngcaggatc       60
ccatcgattc gcaaaagcca ccttttgttc gaaactccct ggagcgacgc agcgtccgga      120
tgaagcggcc gtccccaccc ccacagcctt cctcggtcaa gtcgctgcgc tccgagcgtc      180
tgatccgtac ctcgctggac ctggagttag acctgcaggc gacaagaacc tggcacagcc      240
aattgaccca ggagatctcg gtgctgaagg agctcaagga gcagctggaa caagccaaga      300
gccacnggga gaaggagctg ccacagtggt tgngtgagga ccagcgtttc cgcctgctgc      360
tgangatgct ggagaagcgg nagatggacc gagcggagca caagggtgag cttcagacag      420
acaagatgat ganggcagct gccaaggatg tgcacaggct ccgangccat agctgtnagg      480
aacccncaga ngttcagtct ttcangaaaa gctncatgga gcnaatcctt ctgcctgatg      540
aagtgcatct cagcatcact tcagctgtcg gggcatttgt ngggagaacc agaccacctc      600
tgcggaangc agcanaccct tttccagcca tggatngagt ttgaattctt ctataaacng      660
```

```
ntcaccatca naccacccaa ttcatttcca ttgctttgcc tatagaggaa atttannnaa      720
tcanattnaa tggtttcact ttatttnaaa ancnnnnaac tctaaaaact ntggncct         778
```

```
        <210> 4140
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 4140
tggttntctt gntggggtgt tccttnttnc aattatgtgt tctcgatcnt gtngcaggag       60
nannccngcg ntggccggtg tgttgcccag actggncttc acctcctggg ctcaagtgnt      120
nctcctccct cagcctcccc aagtgctggg attatagatg tgagcccctg caccagacaa      180
ttatatttat tnttaaaaac gcccctcatg aagtctgggt aattctctcc agatttctcc      240
ttatcaacaa atttataaga gttaggaaaa aaatgatgta aataaagcac ttaaattgcg      300
acagtggntc tattcttaac atnataatgc ttatgactaa ggagcattct tntnnttata      360
aannaaatgt ntnctgnact gttagantac atgagggtca gagacnttat nagtntgtaa      420
gaatgcnttg tggattntnc taannnatca cctacagtaa tgggctatgg ctaacaccct      480
ttnacaaaat ngaggnncac anatgaaatt ccagttanag atcataangg tgtctgcggt      540
gacccntagt nattncctnn cgattacngg cgcnaaattt aacgatganc tnncagctca      600
nnagntttgg annatttnng ctnaaatgct ctcctggaca ctaccatact tagcatatnc      660
ctgggaaata ctaaccgaat aatatncctt taaaacaccc cggcctcaac agataagatc      720
tatgatctaa cgtttnattc ttttcacaca ttattattaa tn                        762
```

```
        <210> 4141
        <211> 860
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(860)
        <223> n = A,T,C or G

        <400> 4141
tgggttnnng gnttggggtt ttcaantttn gctaanagct gggctactng ttctttncgc       60
aggancccat cgattcgctt ttctttgcag tatgaaggta gataattctt caagttaaag      120
atggactttt ttcaccagaa atggctttat ggaatcaatt tgcaaaaatg taagaggtgg      180
caaaggaaag aataaaataa tattttcatt ttcttctgtt attcttagat cctttggtag      240
attgtaaact ccatgaaagc aggatacctt cttttgccct aaggcttggc ccaaaagaga      300
taccaaaaaa atacttgctt atatactaac ctagtctctg ggtgtgggag ccatagaggg      360
ttcanggtgg ggtggtgggg aaggtggngg nnttncgtat atccgaaatg ttncctcatn      420
naangnattt nnagcaagtt tangaangan ttttgctnaa tgaaatngnc anagaaccat      480
naanttncat anatgccnat gcctnaaagc ngccttttga agctttatct taangntctc      540
acccttcata acnncctaac gnatnacntn tttccttanc tttggnattn natannnaac      600
atangctcnn cgtttattca anantccana acctnggnng gcnnttatan ttnctcctnt      660
nccnnaacct ttggaaantt naancctggn ncntttncc atttctcctc tttttanca       720
natanatann ncnntcnntc ttcntntana nntnnnctcn nnncnnctnc cntncnntcn      780
cttttnntnn ncannntnct cntcntannn ntttncntnn acannctnnc tantnnnntn      840
ngnntnctcc ntttntntnc                                                 860
```

```
        <210> 4142
```

```
        <211> 762
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(762)
        <223> n = A,T,C or G

        <400> 4142
nagngcnntt nnggtgggggg tttcnaattc ncnctaaaac tggggctact cntnctntcc    60
gcancaancn ngcngntcga attcggcacg agaagggaga ggcagtagga ctaggagtta   120
aattgtcatg ccgaggtctc tgagcatggg tgggcctgtc agaattgtca tcgctcactc   180
tgttgacttc cagcagctga caggcaaggc cctaggaagc tcttcagcct cctttccttg   240
ctagaggtgc tgtttttccct ggaaatgttc aagccctgca aatcgtttct atagtaacag   300
gtctctgtct tttttcttat gatgcagatt tttgaaaagg tttcttatct aaatgttctt   360
gggatctatg gtcttcctac ctgtagctcc tttgattaga cagagccttt atttaaagac   420
ttttccccccc aagaatgttg ntgttgcttc taccaaaata ataaccantn gntagtttta   480
ctagtgcttg aagttntagt ttattaataa agcttcatnt naactatnaa aaggantggt   540
tgngtacnaa tagtaatacc ngaaaaaact aatattcact gntnctctca tgtattngnn   600
aactttaatt nttnattatg naaaaccttc aaacataana gtagtcaaaa ttatataata   660
gacacctata tacttaccac ctanattgaa aactaacatt cttgccatat tggcntacnc   720
tattccatac tgatagtaaa ncntagacca tgtatttaca nn                      762

        <210> 4143
        <211> 783
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 4143
attntacagc tcttgttctt tttgcaggat cccatcgatt cgaaaaggtg gccatgtgag    60
aaggactcag caagactttg ctggctttga agatggaaga atgtggccaa aagcctaggg   120
atgaatatgg cttctagaat ctataataaa caaggaaaca ttatttccca gagcctctag   180
aaggactgcg ttttgctttt gcctcggttt tagcccagta agacccattt tagacttctg   240
atctttggaa ttgtaggtta atgcatttat attattttaa gccactaatt tctggtaatt   300
tgttacagca gccgtaggaa attaacatgt aggaaaataa acgtttcaat gcccaggtat   360
actctgaggt caagccagag aagagttggg cagagacttc aaaaacgatg aaggaggggt   420
taggaaggtc ctagcatcag tggaatagaa taaaattact cttattaaga ggggaacctn   480
accnttagng ganaaatnct gnaaatgggt ctgagacaaa atgcnttana gcactggttg   540
ctagaaaaat caaacatagg agatttagga anatggangc ttgcaatgaa ttatgattgc   600
atcactatat ttcanccctc atccctgtct tccagaaaaa aaaaaaatng gggatttnaa   660
aggtttattg gtncttaang gccagcccnt ttgaaaaanc cattggtttt tggnaaagga   720
aaaagggcca atttaaaang ggacctgtnt tngtaccagg ctttgttgna tttgggaaaa   780
aaa                                                                 783

        <210> 4144
        <211> 1063
        <212> DNA
        <213> Homo sapiens

        <220>
```

```
        <221> misc_feature
        <222> (1)...(1063)
        <223> n = A,T,C or G

        <400> 4144
nccccntnnn naagggggg tggggggtct caactngcta gcggtgtgna cnncnaactn     60
gccnaaaaga aggntgggc natccngcac gagntgacgg ngcgggntcg ggntttgntg    120
nttggnanaa nccttccnat atctccagtg cgggannca tatctggtat ctctattgac    180
ctacgggang ctttcctnag tcantcgcta cnccactgna ctangngana ccacgcnacn    240
ntacncttan atncntcnng cacatctgaa ntcacnngga ngnttagtnc gcagcgnccg    300
nntccacann ccnngatcac gcgccctcnt nncnaananc atannctcac ttgntgttnc    360
nccgnntann ttangttngn ccnnaacaaa ncttacnncn ttntcagnan nactccacct    420
cttccnccga aactnnncnn acngnncatn nnanccngct tcnngcnnct ncnnnnnngc    480
ngnnccannt nntnaatngc cntcnnctca acacgcccaa accttacnta tatncctttn    540
accacncttn ncnnanccct ctaccncccg anctctcgtt ncccccatnt cnanttctnc    600
tctcncnacn cncccntctc nccnncctca ttccccccnt naatngnncc tncatcncac    660
nacnttgnat gacntcttct cnnccntacc naccncntct ccaactncnt ctggcaaaan    720
nntcctcncn ttcatatact antnnntatc tnccctntgn acnntcttnc ngncgcaaaa    780
ntcanctcct acacnnnaca cntnncnctc ncgctngcac ctatctactc aactnctatg    840
cactcatcgn nnncaanatc tnacctcnca aactctntnc nactnccnca nanccccccca    900
cnnanacana ngcgncaana caccnncaca nanggcgata cncttatnac nctcngancn    960
nanatcnccn ctctacncnc nancatncac gtntctcnct atcatcngcg ntcncncaac   1020
tcagcagttn annacnccat actnnctnca ngggctcaan tat                    1063

        <210> 4145
        <211> 996
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(996)
        <223> n = A,T,C or G

        <400> 4145
gcnctttgna annttttcct aatgctggtt ttgctacgga aacccttggc aaatccggca     60
cgagcttcct gtgccagggg accgtggaga aagtgtcagg ggccgctcac tgcagcantt    120
ttgctctgct gcctncccng gcagcgtnct gngggtngta caccaaaana gctgggtgtn    180
cgnggcgggt gcttgnaatc ccanatactg nangangctg aagctgcatt atcgcttnaa    240
ccnggggggn acgangangc canggagnca aaatgggggc tnttaganca aaactttgtn    300
tcanaaaaan aatgaataat nanacaagaa aatgggganaa gccccaataa cttacnnngt    360
ntctcntggc cnaangcaaa aactccactt gnaaagccan ganaaaacgg ggnaananca    420
aaacaaanct atcacntgga ccnnnaaaca naaanccaaa ggattnncnt tccccnaaat    480
tggantnaag attcaatgga catggnacnn aaaaatncag nggtaccgga actccngana    540
ngcnntacag gttgcncaaa aangaaaccn naaaanncgg ggagngnttn attaaagggg    600
ggnatttncg cncantttaa agggaaaggg ccacccaagn attnagncac aacacnntgt    660
tgacgggaan tccattntnn gcgaganaaa nggntgntac atccccaatt ntanaaaang    720
gcctnnaaaa aaanatnttt nnaaccncac naaatcnttt ancactaggg gatttcnaaa    780
aantagccnn nnnnaatatn gggggaaaan aaaancgatn nnaganatca tacncngaaa    840
aaccnngggg tnattngana ancaccnttt nnaagntann ggggcatngc ancncaaagg    900
gngcantaaa nananatagncn ganagnacat tanaacccct tggtganaaa aaccccaagn    960
angnccccaa anaggattgg ctnnaaaaaa aaaang                            996

        <210> 4146
        <211> 783
        <212> DNA
```

```
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(783)
        <223> n = A,T,C or G

        <400> 4146
ttnaagctna gctacttgtt cttttgcag gatcccatcg attcgaattc ggcacgagct       60
aagccccaaa acgaacttca aactgggtgt ggtggcacgt gcctttagtc ccagctaccc      120
gggaggctgc ggcaagagga ttgcttgagc ccaggagttc gagtccaacc tgggcaaaag      180
agtgagaccc catctctaaa accaaaaagg taccttagaa ggtcacctgg ttggctaacc      240
ttttaaaggc aggggcgtga cacgtaggac acattgggaa tgtcttggct actacatgta      300
gccttctggg atatatgtgc ccagagggag aagcactgag cctgaagaaa ctagatgagt      360
ctcagaacca cagaccggcc agaaatctct cccaccatta tatcagcgtg atacaggtct      420
acattcattt ctacaaacag gaacaagttc cttgcagcaa taatttantt tattaacttg      480
gntttttaa ttnacccttc cttttgaggt taantttcat cacattatgt tcaaanattc       540
ccatatnttc cgtaaaatta ccagcttaat tacangggca tttgttccca ttgggttant      600
tnaaaaatca ggangtttat ttaaaaaatn cctgagttct ttaagggctt ggctttaacc      660
ttttcaantt tccacctggn ccttgtanaa aaccagttca agcttggaaa accaaagttc      720
tttnatttgg ngggtcantt tcttgncaac ttttttggac tttgannccc ttggacanna      780
ctt                                                                    783

        <210> 4147
        <211> 825
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(825)
        <223> n = A,T,C or G

        <400> 4147
ggntnttnaa acnnnagctc tngttctttt tgcaggatcc catcgattcg cccggaagca       60
tccaggatgt gggaacattg tgacatttgc acaattttta tttattgctg tggaaggctt      120
cctctttgaa gctgatttgg gaaggaagcc accagctatc ccaataaggg ttctctaatt      180
gccaacatga ttctaggaat tatcattttg aagaaaagat acagtatatt caaatatacc      240
tccattgccc tggtgtctgt ggggatattt atttgcactt ttatgtcagc aaagcaggtg      300
acttcccagt ccagcttgag tgagaatgat ggattccagg catttgtgtg gtggttacta      360
ggtattgggg cattgacttt tgctcttctg atgtcagcaa ggatggggat attccaagag      420
actctctaca aacgatttgg gaaacactcc aaggaggctt ttggtttata aatcacnccc      480
tttccaattt tccgggtttc gcntnnttgg gnttncggaa ttttnttnac ccatgccant      540
tcttattcaa ataaagtcct gaagttattt tgnaaattcc ccgntcattc ggggaaatgg      600
accccttgcc ccaatcaatn gtggggnttc ttaacccttc cttnattgga aaccattnat      660
tcnacctcaa aacccccttt tnaaccnctt gnggccaact tggcttgggc accttggttt      720
gggctttcaa ttggggaacc tttaatggtt ccaccnnaag gtgttgggaa caaccctagg      780
ggaccccca aaaaagtgga gccctcanaa nggacancca tnaat                      825

        <210> 4148
        <211> 792
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

1307

```
<222> (1)...(792)
<223> n = A,T,C or G

<400> 4148
tttnaaancg ttagctctng ttctttttgc aggatcccat cgattcgaat tcggcacgag    60
acaccctgga ctcctgcagg ggaggacaca cggaggtgga caactgcaga tacacttact   120
cggagtggca cagttttact cagccccgtc ttggtgaagt gagttttcct aagtggccta   180
caaatctatt ttaattttct ttaaacttta taaataacta actggattct gactataatt   240
ttcaattaat tatgaatcta ctaattctac taattgaaag ctattatttt tcctcaattt   300
taatttagtt atgttcagat ttaagtggtt atttacttcc cctcctattt ttttaattga   360
aagaattact aaataatgtg tgatgagatt taaattactg tctcatggct ttgtgctaat   420
atttcccatc tgacaacttg taccttagaa accaaaaatg tggtaccagc aanacccagc   480
attgtncttt tacttttgnt nnntntnggg aaanaaactt gaccccattt tttaatttgg   540
ccttcaantt taaatggggt tgcnatgntn acttttttcag cttaaaantt tttgaaaagg   600
naaaagtant ggactttttt tanaaatgga acaccctgtt attacttgct ggccacatgc   660
cgtggacttt ttannaaaca tgcttntact ggaaatttat antggtgaat ggtttgaaac   720
cggacccant cttgtgcatt ttttatggtt ttgggaatnc cntttgangg ncacactttt   780
gttaaaaatn aa                                                       792


        <210> 4149
        <211> 802
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(802)
        <223> n = A,T,C or G

        <400> 4149
tnnntttcaa atncnaggct actngttctt tttgcaggat cccatcgatt cgaattcggc    60
acgagngnag ctcancnnat gtatnttgnc acttgggagc atcatctttn caagggccac   120
tttgaggtga aatggntntt ttacatactn agcatcaatt tggncctaaa atcaggagac   180
attcaccctt ctccacccca atttccaaca tcccctcctt tgnagagaga gcactntnga   240
anccactgag cccnatagcc ctagggccta naccactatt ncaaaangga agactttctcn   300
atnactatga canacaccca nnctggantc ctctgcctgn actnaaagct ctaaccccaa   360
cctnttttc cagtgcaaac ccttntactc actaaaaatt tctntccact caaactagcc   420
tggatgccct tccctgaacg gggcttgtgt nttcccatta gctcaacttt gcttacatgc   480
ccaggtnnaa aacccnttt cnncaggcca gacaaantgc ntnanttntt tcnnacacgt   540
aaaatgaaag gctcttgnng tncntnaaaa ggcctcttan aaactattgn ggagtcnttt   600
ttnccgtttg aatccanact tggattanga ttccattgga tgaaattttg gnacaaaacc   660
ncnaacttnn naatgccnnt ngaaaaaaaa atggctttta tttggggaaa atttggggaa   720
ngcttnntgg ctttaatttn gnaacctttt ttaagctgcn attnaacaan ttaaccaanc   780
accantggca ttctntttttg nn                                           802


        <210> 4150
        <211> 788
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(788)
        <223> n = A,T,C or G

        <400> 4150
```

1308

```
ttnnttcaaa tcgctaggct actcgttctt tttgcaggat cccatcgatt cggaaccttt       60
gaatagtggt tgtacataca gtttttcaga gctggtgttt aataacaata ttttttcattc     120
taatattaca ttattctttt tatcatttag gtctttatcc gtcagtgttt ttagagaact      180
actgcacttg accacaaact gataaatact tggtactgcc ccatctcact gttctgttta      240
ctttgtctta aatatctctt ttttttttcc caggcagcta gtacaccact gaatcctttta     300
agctttcagt gtgaatttgt aaaactcagg attgaccttt tacaagcctt ctctcaactt      360
atctgtactt gtaatagcct gaagacaagc ccaccacctg caattgccac aacaattgcc      420
atgaccttag gaaatgacct ccagaggtgt ggtccgcatc tccaatcagg catgtcttaa      480
ctttnagtgc atttttttatt tanccctttt aaaggntttt caaatttttan natgaaaagt     540
ttgnaaaatt tnaaatcag ngggtttgaa ctcanaacat ttttcataaa atgtttaatt       600
cactcaactn gnctnggctt aaaaaaatag gctggatggn gttattanga aaagataaag       660
tggtttcatg gtaatctcaa tgggggggcta ccataattta ttttaaagag aaanggncng     720
attttttttaa aaaccttgga naangtttat aacttaaatt tttnatngg aacttgaaaa      780
ccctaaan                                                               788
```

```
        <210> 4151
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 4151
tggnnccnna agcccttttgc nacttnntct ttttgcagga tcccatcgat tcgaattcgg       60
cacgaggagt tcaactgcaa catccgggca ccttcaaagc agatggtctg gtgcagccgt       120
cctcgtagca aggagagggc cgtggtggtg gcctgggaaa ggcggctgat ggtggtgggc       180
gatgcacccg agagcatcca gtttgtgctg gatgaggact cctacctggt gcctgagctc       240
gatggggtcc gcatcttctc ccgcagcacc cacgagttcc tgcatgaggt tccagcggcc       300
agcgaggaaa tcttcaaaat tgcctcaatg ccccccgggg cgctgctcct ggaggctcag       360
aaggagtatg agaaagagag ccagaaggcg gacgagtacc tgcgggagat ccaggagctg       420
ggccagctga cccaggccgt gcagcantgc attgaggctn caagacatna nccccaaccn      480
gactncccaa aaaattntgn tcanggcccg cttctttttgg aaagggtttc ctggacagat      540
ttccacccga aaagcttcnt gcacattgtg tcaaggacct gcgtgtgctc aatgctgttc       600
gggactntca cattngggat cccgttacct attgccaatn taacaggtta ccttcaagtg       660
ctgctggaaa gctctgttgc ggaaatttac ccctggcatc caatttccaa tnctgcnctt       720
ctaatcaggc ttacnggact ggccct                                           746
```

```
        <210> 4152
        <211> 742
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(742)
        <223> n = A,T,C or G

        <400> 4152
gnnntttnan natacagctc ttgttctttt tgcaggatcc catcgattcg aattcggcac       60
gaggcaaagt tccattttgt tgatctcgca ggatctgaaa gactgaagcg tactggagct      120
acaggcgaga gggcaaaaga aggcatttct atcaactgtg gactttttggc acttggcaat     180
gtaataagtg ccttgggaga caagagcaag agggccacac atgtcccta tagagattcc       240
aagctaacaa gactactaca ggattccctc gggggtaata gccaaacaat catgatagca      300
```

```
tgtgtcagcc cttcagacag agactttatg gaaacgttaa acaccctgaa atacgccaat    360
cgagctagaa atatcaagaa taaggtgatg gtcaatcagg acagagctag tcagcaaatc    420
aatgcacttc gtagtgaaat cacacgactt cagatggagc tcatggagta caaaacangg    480
taaagnatta nttgccaaaa aggtgtggaa agcntcattg acatgttcat ganaatgcta    540
tgctacagac tgaaaataat aacctgcgtg taaaattaaa gcctgcaaga nacngttgat    600
gcattgaggt ccagaattac acacttgtta gtgatcaggc caccatgttc ttgccaaaca    660
ggtgaaggaa tgaggagatt agtaattgat catagttttt aaagaatcga aatctaggca    720
aatttngaag tgaaccngat ta                                            742
```

```
        <210> 4153
        <211> 742
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(742)
        <223> n = A,T,C or G

        <400> 4153
gnnntttnan natacagctc ttgttctttt tgcaggatcc catcgattcg aattcggcac    60
gaggcaaagt tccattttgt tgatctcgca ggatctgaaa gactgaagcg tactggagct    120
acaggcgaga gggcaaaaga aggcatttct atcaactgtg gacttttggc acttggcaat    180
gtaataagtg ccttgggaga caagagcaag agggccacac atgtccccta tagagattcc    240
aagctaacaa gactactaca ggattccctc gggggtaata gccaaacaat catgatagca    300
tgtgtcagcc cttcagacag agactttatg gaaacgttaa acaccctgaa atacgccaat    360
cgagctagaa atatcaagaa taaggtgatg gtcaatcagg acagagctag tcagcaaatc    420
aatgcacttc gtagtgaaat cacacgactt cagatggagc tcatggagta caaaacangg    480
taaagnatta nttgccaaaa aggtgtggaa agcntcattg acatgttcat ganaatgcta    540
tgctacagac tgaaaataat aacctgcgtg taaaattaaa gcctgcaaga nacngttgat    600
gcattgaggt ccagaattac acacttgtta gtgatcaggc caccatgttc ttgccaaaca    660
ggtgaaggaa tgaggagatt agtaattgat catagttttt aaagaatcga aatctaggca    720
aatttngaag tgaaccngat ta                                            742
```

```
        <210> 4154
        <211> 754
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(754)
        <223> n = A,T,C or G

        <400> 4154
gnnntttnag ntacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg    60
aggcaaagtt ccattttgtt gatctcgcag gatctgaaag actgaagcgt actggagcta    120
caggcgagag ggcaaaagaa ggcatttcta tcaactgtgg acttttggca cttggcaatg    180
taataagtgc cttgggagac aagagcaaga gggccacaca tgtcccctat agagattcca    240
agctaacaag actactacag gattccctcg ggggtaatag ccaaacaatc atgatagcat    300
gtgtcagccc ttcagacaga gactttatgg aaacgttaaa caccctgaaa tacgccaatc    360
gagctagaaa tatcaagaat aaggtgatgg tcaatcagga cagagctagt cagcaaatca    420
atgcacttcg tagtgaaatc acacgacttc agatggagct catggagtnc caaacaggtt    480
aaagaattan ttnccnaaaa ggggtttgga agcttcatt gacatgttca tganaatgct    540
atgctacaga ctgaaaataa tacctgcgtg taagaattaa agccatgcaa ganacggttg    600
atgcattgag gtccagaatt ncacacttgt tagtgatcag gccaccatgt tcttgccana    660
```

```
cangtgaagg aaatgaggag attagtaata tgatcatagt nttttaaaga aatcgaagat    720
ctcanggcaa atttttagaa gtgaaccatg atga                                754
```

<210> 4155
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 4155
```
gnnnnnnttt nngagggggn tttgggggt tttcnaattt ttctancgng tgagganctc    60
gaactnnccn aaanaaanan gcgggtcgaa ttcggcacga gatttgattt aaaaaaggag   120
aaatgttcac actcagtcta gaccacttag gtatgcagag ttgcatcctg aaagcaattg   180
ctcacacttt ccttaatata ctccctntcc acctttgcaa aaccttgatt ggcatggagc   240
ctcnactgct tgcattgtat acacatgtaa taagaaagca ttaaatctct tggaaattag   300
gaattgacaa gataaataga taaggcataa agccaatttt tcacacatgt ccttaggctc   360
ttgtaaatgt gtgcctggtg ctgctttgac ttnccaggtc cgggaggctt tctctttctc   420
tcttntccca angtgaggct ggcaagctat cagnctctcc agagcaaaga gaaatggcag   480
gagaattgac tgcgtgaacc ccacagggcc ggtagtggaa aaataaatgt ctaaattgaa   540
agggtcacac tngtgtanat ggtgactgtc ntgcttgcan cagctgagga caccgactgn   600
gtgtagcgag tgtcctgctt ttcatgttca catctggctn aataaagaan tcacgaagca   660
nacctngcct tggctaaaac cctntgngct ggacacaaat gactttgatt ncaaactcaa   720
gtccttggna ntgtcacaaa ggacnaaccc ctggctggga caaaanccta cna            773
```

<210> 4156
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 4156
```
gnnnntttnn nnnntttnnn nnnngttntt gaccanaggt aanacnnngg gaattnctct    60
ttctgcagga tcccntcgat tcgaattcgg cacgaggcag aaacaatagt caggagtttg   120
agattnggct gattaacatg gtgaaacccc gtctctacta aaaatacaaa aattagctgg   180
gtgtggtggc gggtgcttgt aatcccagtt actcaggagg ctgaggctgc attatcgctt   240
taacctgggg ggcggaggtt gcagtgagcc aagatggggg caataagagc aaaactttgt   300
ctcaaaaaaa aataaataaa taaaaaataa aatatgtcaa gccccttctc ttcctgtctc   360
ctctcgtggt gtgtacttga ctccccttct cgccagatct cacaggactt tcagatttaa   420
gcaatacctg gccaagaaac aaaagcaaaa tcattccatt cccccagtgg attcagatca   480
aaactggtaa taaaatcagg tcgactccaa aaggagacat tggagaagaa cgaagcgggg   540
tctataagga attgcacgtg agatggcaca catatttatg ctgtgtgagc attacaatcg   600
cgttaccata tcaagctgaa aatgtcacca ctatctggag tgttggaaat gtttattggg   660
aatatgtntt ttctctgaat ctgctatgaa cacgtnaatt gggtgggttc aataataaat   720
atgtgagact tttcatttca aaataaaaaa ggcaaatgat gtaaaaaaaa aat             773
```

<210> 4157
<211> 809
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G

<400> 4157
```
cnaantttttc taatgctgnt tctatncngn atnctnggct anccnacnac nnnggatncn   60
aattggcacg aggcttcatg agagactgac ngctatnacg ggtcgtggca cttaangagg   120
actnttctgg ccccagngtg tgctgatgac acatacacac ctgacaatag ctngngtntn   180
ctctgnncct ttnnctctgt naccancatn cacnngatct aaaacccttt ctnaatatct   240
atcntggntc atccttggcc atgcagngtc agagctntat gnacttnatt acncttnncc   300
ttngaacttn tnntnagnta cngataangn gctatctttc agctggatga tnaacgnttt   360
nntctgtacg nacatggacg atgntttcct caaacctcta naactataga ccagtcactg   420
ntacntntan ccagacatga ttnnatacat cnatgagtna gnacaaacca caactanaat   480
gctgtgaaaa aaatgctgna tntgatnaaa tatgaaatgc tatcgctata ttncttccnn   540
catangcngc ngtnntcatt tagcaacaac aattgcatcc attaaaatnt ttttaaggna   600
cantttggan ngtcccccaa tnttggngaa atncnanggc cccaaaatgc cangtgccnt   660
tananacccc ggggacccca accttttnga aaagcgttnc acaanaaggg gtnaaagttn   720
nanncgcctt ggccnnnaaa anaaacnggg naataacctn ggttaacccct gnnntttnaa   780
actngggnnt ttncnnnttn aaaaaaaaaa   809
```

<210> 4158
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(834)
<223> n = A,T,C or G

<400> 4158
```
ctaanagttt cntaatgctt ncttctaata ncntaattac tcaggnngct cnannnaaca   60
ggcgntgngg ncnctcaccg actcctccct ggtncacang cttntgnggg gccaccaagc   120
ccctnctgng cccccctccca tccatantgc atggcgnntg gngcccccnt ggctccaaga   180
cagatcangc ccnanctgc ntctaccnnn atnccnnctg anaacgtgcc actgaatnaa   240
ntntgggaaa ccagaaaaga tatacattaa tttaagaatc atttactatt taaatgagac   300
aatcaatatt attnnagaan cannnatccc aaatgagaca atcatnntta anttncaaga   360
tancagaagt gaccaatgtc atttnacaac acctanaaga tnnactggtn nntcaggtaa   420
angtagantt ttactganaa ncctgnatgn atttgacttg tgcttttgta ncnntnntnt   480
nccttacttn tttngntttc catanccctan taannatgca ttactttnac tggatataag   540
nnnnatcctt naaaagggtc tttctnttag ctntacaggt nnacaatnat nnctggnctc   600
ttgacncatt tgnnacttan ntncctctann gctttnagt ataanttttcn aaancnnggc   660
cntttagctt ttncntnagg ncanttnacc cccttnttaa aaaaangnnt anttncngcc   720
nnaaatttgg ncntgaatct ttctccannn tcggcttttc cantattttt ataaagccnt   780
gganagggnc ncaaantggn tttggnctta anttccntat atacttanct cncg   834
```

<210> 4159
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(814)
<223> n = A,T,C or G

<400> 4159
nnncctttgg aacctcacng aaanccttcc ttctaatnct ggcacgcttg ganatcgaac        60
tnnctcnaaa nanatnggtt tgnggcctgg ggcccttcta gcctgagctg gtgacctggg       120
catctgcacc ctaaccccag ctgaccgagt cagatctttg tccagtgttc tgaagatcaa       180
atgccgtgcc cttttgcaat ataacaccag ctgcttttag tccacagcct ctgacatgcg       240
atttgaagac acgttttatg gagcagacat tatccaaggg gagagaaaga gacaaagagt       300
gctgagctcc aggtttaaga atgaatatgt ggccgaccct gtataccgca cttttttgaa       360
gagctctttc canaagaagt gccanaagag acagtagtct gcatacatcg ctgcaggcca       420
cagagcactt gggttggaag agagaagatg aaagggacat ccttggggct gtgcccgtga       480
gttttgctgg cataggtgac agggtgtgtc tcttgacagt ggtaaatcgg gttttcagag       540
tttggtcacc aaaaatccaa aataccccca atgaaattgg acgcagcaat cttgaaatca       600
tctctaagct ttgctttcac tttgtgaacn agttgncctt ctattgatcc caaaagaaag       660
ttttctaagt taaaaggaaa ttccctangtg aatcaacccc acnagggaaa aacccacttg       720
ccacaataag gaaggccggg ttcccccttg gtgccnggtt taangggccc cntgtaangg       780
naaacacnac cggggnacct ttttttttn taat                                    814


<210> 4160
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 4160
tnnnntttg aaanntttcc taatgcantn gngaaacttc tnaaaccntg gcaatngctc         60
tttctgcagg cagcccagcg atncgaattc ggcacgaggt tagagtaagt aaagatatng       120
ttaagaaaag tacttaaatc caagaaagag agtcaacaaa tatttatacc attctctcat       180
taagtgacac tggttccata aatttaaaga cagcggttca cccatatcta tggntntgca       240
ttccatggnt tcagttacca cagtcagcct ctgtctgaaa atattacatg gaaaattcca       300
gaaataaaca attcataagt tttaagttgc atgccgttct gagtagcttg atgaaatctt       360
acaccatccc cctccatcca ggctagtaca tgactcatcc cctngtccag catatccaac       420
actgnctatg ctacccgccc attagtcact tagtagccaa ctcggttatc agatcgactg       480
tcatggnatc atagtgcttg ngttcaggta acctttatct tacttaatag tgaccccaaa       540
tgcaagaatg acataatggt ataacnggnc tattnnatca ttaggnaatg gnantagnct       600
cttactgggc ctaaattata aattaaatcn atcatgggca tatatttaga ggaaaaaacc       660
atggggacg tagggtngg nccnatnngg gggtcaaaan atccactggg aagnctnaaa       720
aacatanggn ccngaggaaa aggaangagn cccggaaacc ttnaattntn cttaa           775


<210> 4161
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = A,T,C or G

<400> 4161
gtnnnctttc taatggcttg gctactcgcc ttctaatntt ctaatncttg gcnactcgtt         60

1313

```
ctttctncan gnaccnntcg ttncgaattc ggcacgaggg aagggaggtt taaggaagag    120
actgtggaca gaggtgttag ggaaggtgtc agagaaggtt aaggagccaa catggatcat    180
gggggtggta cagtgttgcc agggctgggg aggattggct gcagtgtggg gtacccagcc    240
gctgccatgt ggagagggac ctgtcactcc tgctgtgaac tctcccttct tctgccctct    300
gacctcctgc tggtgcctcc cattggctaa acacagttga tggccagtgc actggggagc    360
tgttcttgga gcccacaggc atctgcttct tggcacagag cagacaatgg attgagtccn    420
ggagggaagg gaactagaga atacccaagt cccaacccca ngcgtttgct gaatgtgtct    480
aatcttcctt ttctacaaac ccatctgacc tctncccctc ctctccacgc caagctaggt    540
cccaattctt cctcaagctc cactccttcc accctgtaat cttttntatc accctnccct    600
cctnaacacc ttgggtccgg ctttacaagn ttccnttccc gngacttagc ccttttcccn    660
acctttgccc aancaaattt tacttcttta aaaaaggtg gcttggaanc ctaaaagaca    720
ttantccaan ggttaaaggc ctcccttttt cctttatcc ccaaatcaaa aacccttta    780
aggctctttt ttcattcaaa attttaaaaa ccccnct    817
```

```
        <210> 4162
        <211> 871
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(871)
        <223> n = A,T,C or G

        <400> 4162
```

```
ttttcccnaa annngcntng gctacncgtc tttcaaaatn ttcanatccc ttggcaactc     60
gccncnnnac gcacaagaan tntgngttgg cgttcttgag gagctnagcc ttcgctcctn    120
aggatcacag gcttncatgt tgaagctggc agtgctagag gctannncct atctgngtga    180
cagcatttna natntancag gaccgacttt gangttncca aatatntata ggcannctgt    240
aaatcatnac accgtntgcn atanctctct tcannctctg tctnnctctt ntaactgnag    300
caaaagttct ttctcangca acaacnttcn tnntatcctn agnagncnat actgtgttcc    360
tnnncatgtt cggcgaacgc tattacgnct gactncacnc acncacntga catngaccccn    420
tatnncaaac nngntangga aaagctanat gtctgnangn tgctnncngc ttgangantg    480
ctaanagcnc ttnagancat ccattanctt tctnnangct tgangtttta nggctnatan    540
nnctntggaa nttangtatt ctgggnatga ccctncatng cttntnanac tattnaatcc    600
agacctcgan cnntanncct ggaangtncc ncanccnaan nantatcctt ggggaacngg    660
nggtactgna ctntngatca anccnaanan ntggnantga nccanttggn aaattgaatc    720
cntaatcntc ccctgggcaa cnnanngng gcttgcttna aananntgga accnnannat    780
gcccgtcaaa ncttccctaa ttanccctgg tanactgcna ctggcanntc tnnatanggc    840
naattccana agnnntgant nttattcacc c    871
```

```
        <210> 4163
        <211> 829
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(829)
        <223> n = A,T,C or G

        <400> 4163
```

```
tttctaaatg gcttgggnnn cnnccttgac caccgaaaac gnttggcaac ttnctctttc     60
tgcangancc catcgattcg aattcggcac gagataattt ttttagtttg tttttgagac    120
tnctctgtca cccaggctga gtacagtggc atgatcatgg ctcacagcag cctctcaacc    180
tccctgggct caggtgatcc tcccacctca gcctcctgag tagctggtac cacaggtgtg    240
```

```
tacctggtta attttttggt gtttcttata gaggcaggat ctccttatgt tacccacacc    300
ggtctcaaac ttctggactt taggaatcct cctgccccgg cctctcaaag ggctggacag    360
gtgtgagcca ccaggcctgg ccccaagctt gtacagcagc atctgcccca ttatacctct    420
ggcactcagg cagtgatgcc tcttggccct ctggcaaagg gagcacactt ccgttagttt    480
tgtatttgta tggactttta tacctatgac gtttctggtt ctgntaatct tgtttttccg    540
actgattgaa acttcatct ctggtatcaa ttggggngtt ttcttagaaa aaagcttgtg    600
gtgaaagggg ggcaaaaaaa aagaaaccaa ngttctgaaa gttcacctct ttgaattgca    660
acccacccct ggtanaaaga atgggaatca atnggaatgc cttggccnaa ttttgnanc    720
cnnttttttt ggcaaagnaa aangggatcc aaaaagtgga aaccgggaaa aaanccttgg    780
ggnaaaccct ttgggtnggg aaangggggtt gggtngnacc caattccna               829
```

```
        <210> 4164
        <211> 797
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(797)
        <223> n = A,T,C or G

        <400> 4164
tcnccctttc caaaaagcnt tgggnnncgn ncnttctaac tttccnaata cntgggcaac     60
tcgctctttc tncangcagc nnntcgttgg cgaattcggc acgagacttt caacatttca    120
tggatagaat aagtaatggt gggttagaag aaggaaaacc tgttgatcta gttcttagct    180
gtgtggacaa ttttgaagct cgaatgacaa taaatacagc ttgtaatgaa cttggacaaa    240
catggatgga atctggggtc agtgaaaatg cagtttcagg gcatatacag cttataattc    300
ctggagaatc tgcttgtttt gcgtgtgctc caccacttgt agttgctgca aatattgatg    360
aaaagactct gaaacgagaa ggtgtttgtg cagccagtct tcctaccact atgggtgtgg    420
ttgctgggat cttagtacaa aacgtgttaa agtttctgtt aaattttggt actgntagtt    480
tttaccttgg atacaatgca atgcaggatt ttttttcctac tatgtccatg aagccaaatc    540
ctcaatgtga tgacagaaat tgcaggaagc agcaggagga atataagaaa aaggtagcag    600
cactgcctaa acaaagaagg tatacaagga agaggaagag ataatccatg aagataatga    660
aatggggtat tgaanctggg atctgaggtt caagaagaag gactggaaaa aattttttcaa    720
ggcccagttc cagactttac cttgaaggga attaccaagg ggcattacac aaatttccaa    780
aaaaagcang aagaatt                                                   797
```

```
        <210> 4165
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G

        <400> 4165
tnnctttcta atgtttnnna atgctggtac cctttcaaan cncttngcgc cagaatgggt     60
ccatggctgc tgtgaatgga cacaccaaca gcttttcacc cctggaaaac aatgtgaagc    120
caaggaagct gcggaaggat tgaagtcaaa gaattgaaac cctccaaacc acgtcatctg    180
attgtaagca caatatgagt tgtgccccaa tgctcgttaa cagctgctgt aactagtctg    240
gcctacaata gtgtgattca tgtaggactt ctttcatcaa ttcaaaaccc ctagaaaacg    300
tatacagatt atataagtag ggataagatt ctaacatttc tgggctctct gacccctgcg    360
ctagactgtg gaaagggagt attattatag tatacaacac tgctgttgcc ttattagtta    420
taacatgata ggtgctgaat tgtgattcac aatttaaaaa cactgtaatc caaacttttt    480
```

```
ttttaactgt agatcatgca tgtgattgta aatgtaaatt tgtacaatgt tgttatggta      540
gagaaacaca catgccttaa aatttaaaaa gcagggccca aagcttatta agtttaaatt      600
aagggtatgt ttcaagtttg tattaatttg taataactct gnttaagaaa aaatcaaagg      660
accatgattt atgaaactaa atgtgacata attttccagt gacttgntga tgtgaaatca      720
gaccacggac cttcagtttg nacctattgg ctttggaatc aaccg                      765
```

        <210> 4166
        <211> 776
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(776)
        <223> n = A,T,C or G

        <400> 4166

```
ntctttctaa ttacttatnt gtcatggaac tcccactntc tcnacnnanc naggcnntgn       60
cgaattcggc acgaggcaag agatttcaca gacctgatng tttttnatga agatcgtaaa      120
accccaaatg gacttatttt gagtcacttg ccaaatggcc caactgctca ttttaaaatg      180
agcagtgttc gtcttcgtaa agaaattaag agaagaggca aggaccccac agaacacata      240
cctgaaataa ttctgaataa ttttacaaca cggntgggtc attcaattgg acgtatgtnt      300
gcatctctct ttcctcataa tcctcaattt atcggaaggc aggttgccac attccacaat      360
caacgggatt acatattctt cagatttcac agatacatat tcaggagtga aaagaaagtg      420
ggaattcagg aacttggacc acgttttacc ttaaaattaa ggtctcttca naaaggaacc      480
tttgattcta aatatggaga gtatgaatgg gtcccttaag cccccgggaa atggatacaa      540
gtagaagaaa aattccattt attaaagtct gacagaatga tattgnattt gctgaacaag      600
cctatctttg aactntggga aaaattattt tttgacagna atactctttt caaaaatggg      660
catttgcttg atttccanaa acctttcncg ttctgggacc gaattaccca aatgcccatg      720
gaatttccca ctggggggtt taatgtnnaa aantcccaan taaaaagttt ttttcg         776
```

        <210> 4167
        <211> 741
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(741)
        <223> n = A,T,C or G

        <400> 4167

```
tnncttcaaa ctttcgctct tggctttttg caggatccca tcgattcgaa ttcggcacga       60
gagttttgga tgagacttgg tatggtccat tctgggacaa aattcctctc tctctctctc      120
tgcggacccg tgaaatctag aaaataagtt atttgcttct aaaatacagt gatgggacag      180
acataggata gacattccca tttcaaaagt gagaaattgg gccaggtgca gtggctcaca      240
cctgtaaccc cagcacctgt aatcctagct ccccaggcgg ctgaggcagg aggattgctt      300
gagcctggga gatcaaggtt gtagtgagcc atgattgcgc cacctttatt ggaaactttt      360
attccagtta ccaataacac attcctcatt tcctccagag acctcaccag aaacaccttt      420
aatattcata tttctagcag ccttctgttc ataacaatat atgcatcctg ttaagatgat      480
aggagatttc tctgcacctc tcctctttgt gagcctgcag ggacattccc tttaatgtcc      540
atatttctac cagcagtctc ttcaaggcag tctaggtttt tcctaacata cacctcaaaa      600
ttcttgcagc tttggccaag cacagtgcct nacatctgna atcctaacac ttttgagagg      660
ccacatggac aagatgcttg agctcaggag ttcaagacca gcccgggcaa catatgaaac      720
cctgcctttta aaaaaatcaa t                                               741
```

```
<210> 4168
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 4168
gnnnnntttn nnnnnntttt tggaaancct tnnnnnnnnn tttcnaatnc ttgggcnact      60
cgttctttct ncaggcagcc catcgatncg cctttattca ttttcactgt tatccagaat     120
tccattatat gaatatgcca taattttaaa gttcacgtta ctattgttaa gtgtttctaa     180
actggaaatt actccagaca atactatgag cacacctgtc tgtggctttt gatgagcatc     240
tgaatgcagg ccaaacttgg cctgccaaac agttctgcc gttgtttgta ccagttcaca      300
ctccctgcca aacagtttct gcaatgtttg taccggttca cactcccacg gcagcacatg     360
aaagctttat ttgctccata tcctctcaaa tttagaaata attacaaact tatgtaaaag     420
ttaaaagtac tatacaaata attttatgcc tgaaagttgc caagttcatg ccatattact     480
tctaaatatg ttagtgtgtg ttttctacaa acaaggagat tctcctgtgt accagacagc     540
agtcatcaaa gtcagagaaa ntaacatcag tacattgctg ncatctaatg cttactccta     600
ctcaaagttt cactantttg cttccaaaag tgtcctttta tggcaggang gatcanaant     660
aatgtatagg ccaagcacaa ngccctggaa tctggaaatc ccagcacttt tngggaaaac     720
caaataggaa ggttgccttg gaactcctga cttaaggcga nncanccaac ttaaaccttc     780
ccaaagngg                                                             789


<210> 4169
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 4169
gcttggctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggttttggt      60
actaaaggcc gagactgttg tggcgacggc gacctctacg gcaacggctt aagctctcgg     120
aggagtggca gagtacgatc tgaaggaggg gcttctggtt agcccaggtt ccatcataat     180
gaatggatcc aatatggcaa atacatcacc gagtgtaaaa tccaaagagg accaggggtt     240
aagtgggcac gatgaaaagg aaaacccatt tgcagagtac atgtggatgg agaatgaaga     300
ggatttcaac agacaggtgg aggaggaact gcaggagcaa gacttcttgg accgctgctt     360
ccaagagatg ctggatgaag aagaccaaga ctggtttatt ccctcacgag acctgcctca     420
ggccatggga cagttgcaac agcagttaaa tggactgtca gtcagtgaag gtcatgattc     480
tgaagatatt ttgagcaaaa gtaacctgaa cccagatgcc aaggagttta ttccaggaga     540
gaagtactga gccgagaaag ctttgaggaa gacttgtctg tccccacatc tggggatagt     600
aatgcacaaa atggtggagc ttaagaaggg gatggggccg gccaaggggt gcacancggg     660
aaagggantg gtggcttaca atactgggac tctgagtact aatatgctca gtcttattct     720
aaaaaaaa                                                               728


<210> 4170
<211> 735
<212> DNA
<213> Homo sapiens
```

1317

```
      <220>
      <221> misc_feature
      <222> (1)...(735)
      <223> n = A,T,C or G

      <400> 4170
tctaaacgct tggnncttgc tctttctnca ngnanccnnt gcgntncgaa ttcggcacga      60
tctagatatt gcccaatcgc tgcccacagt gcacatacct ttccaccagt cacatgtgag     120
agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata attttggcca     180
gttaggaaat ggcatctcat tgttttcatc ttaatttgcg tcagcctgat tactcattga     240
aacttgtgag gttgagaaac ttttcttaag cttattggcc attcaagttt cctcctttat     300
gaaatggttg ttcatgtcat ttgctcattt ttatattaga ttgttttttct tttttccagc    360
tgacttgtag gaactctaca tcttatcaat attaatcatt tatcgaaaac tatttgggtg     420
ccattatctt ctcctagtca atgttttttg tttgtgatat cttttataat atataagttt     480
ttaatgttgg cagaagtaaa gttaatcttt ttggctgtgt tgtgtgtctt gtttgatgta     540
aagatagttt ctgtaatagt tttgcagttt gattgntcat ctttaggtct tcaattcaac     600
ctgcacatcc atcccctcta tcctctttct tactctgttt ttctccatac cacttatcat     660
ccaataatat ggtcatgccc tttattnacc ngntttgcat atataatttg gcttgtnccc     720
ggttccttcc ctana                                                      735
```

```
      <210> 4171
      <211> 773
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(773)
      <223> n = A,T,C or G

      <400> 4171
tanacnnatt ggtntgatgc ntggtgctgc ctgcgctgcc ttaagaagct gagactcaca      60
caagtgttaa gagggtatct ctggagacan ngtagagata gaccctgtta cgaatcagag     120
ggccagcact aagtttggga ttaagcagaa acccatctna atcgattccg acctgctctg     180
tgcctgtgac cttgctgaag agaaaagccc cagtcacgca atatttaaac tcacgtatct     240
aagccaatca cgactatnaa cacctctact ttgaatcgga cgctgctacc cgtcaatgaa     300
attgtgctca aggttaacta catcctggaa tcgcgagcta gcactgcccg ggctgactac     360
tttgctcaaa aacaaagaaa actgaacaga cgtcgagctt cagcttccan aaggagaaag     420
aaaatccggg cagcagttga cactggcctt cagcctnaat ctgttcccgt agcttnagaa     480
ccttgcctgc cagggccaag tgccctagag cccaccccgg tgtcctgaan tcctnggggg     540
ggaggccagc cccctgggct tactgggcac anggcaagtg gggctctcng gggaaaggtg     600
tctgggngcc cccttangaa gggaancgct ggggacattt gccattggga ccggaaagtc     660
ttggtttggc anttggcttt ngataancca tgctttgngg gtcnagacca cccncctaaa     720
ggagccacgt ggccngccaa gccaccttaa ttgcctggca cctggcccng gng           773
```

```
      <210> 4172
      <211> 797
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(797)
      <223> n = A,T,C or G

      <400> 4172
```

```
tnnnngtttc ctantnnntg ggctactcgt tctttccgca ngatcccntc gntncgaatt      60
cggcacgaga ggcagtgact gccttcggct ttttttctgc tgactaagat ctcctataga     120
gagctacaac aatgcccaaa agaaaggctg caggtcaagg tgatatgagg caggagccca     180
aagagaagat ctgccaggtt gtctgctatg cttgtgccca gttacaccca gaagtgaaag     240
ccctaaaaag aacatcaagt tcaagggaaa atgaaagaca aaaaagtgat atgatggaag     300
aaaacataga tacaagtgcc caagcagttg ctgaaaccaa gcaaggaagc agttgttgaa     360
agaagactac aatgaaaatg ctaaaaatgg agaagccaaa attcagaggc accagcttct     420
gaaaaagaaa ttgtggaagt aaaagaagaa aaatattgaa gatgccacag aaaagggagg     480
agaaaagaaa gaaccagtgg cagccagaag taaaaaatga agaagaagat cagaaagaag     540
atgaagaaga tcaaaacgaa gagaaagggg aactggaaaa gaagacnaag atgaaaaang     600
ggaagaagat ggaaaagang attaaaatgg aaatgagaaa ggagaagatg ccaaagagaa     660
agaagattgg aaaaaaggtg aagacggaaa ggaaatggag aagatggaaa agagaaaggn     720
gaaagatgaa aaagaggaan aagacngaaa ngaaacngga gatggaaaga gaatgaagat     780
ggaaagagaa ggagttt                                                    797
```

        <210> 4173
        <211> 813
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(813)
        <223> n = A,T,C or G

        <400> 4173

```
tntctctacn nannntcgnga acccttgntc ccacgaccct cgtncgaatt cgggcacgag      60
gtgtgttctg tgggagggtg tctgtggtga tgtgactatc agggtgggcc tgtgctgggg     120
atggggcagg cctgggtctg gagaggattt tgtgtgaaag taaatggggt gtttgaggcg     180
tatgggtggc tgttggtgtg gggaggcatc ttgtgtatgg ctgttgggaa cagcaaccaa     240
aaggtgcttt ttggtttat ttgagatcaa gattgtgttt ccgcttaatt actagtttgt     300
ggtctatatc atagaagtta tttcccaccc cattttatct tgacaacccg tgtttgcatt     360
tctgtaaaac ttctacaact tctggtgtca agaactgtcc agaagatggt actgttaact     420
ggtatttcct ttgatgtttt gattttgaaa gtttactctc atgcaaatgt ttcangcgta     480
catacatagg cagaaagcaa atttttaggt gatttgtctg tntcttggat gaaatttaaa     540
gcaagcttta atggtctgac ttgntcattt gaaatncaaa aaaagtaagt gaaatttaat     600
ggtttngcat taacctaaag gaaatcttga agattnatgg ttgaaggaaa ttggtatggg     660
ccatgccctt tggtggaaac cccngaaant cnttttaaa gtttaaaaat tgaaaaaag     720
ggttttttaaa tttgctttgn ggccgtgttn taaaattggg accccccatt tttanaaatn     780
attttttttc ccgtcttccc ttttaccaaa cna                                  813
```

        <210> 4174
        <211> 786
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 4174

```
gtnnnnnttt tctaatagct tgggatactc gttctttccg caggatccca tcgattcgaa      60
ttcggcacga ggttctcagg ccttccaggt agtccccttc ctggacttaa gagtgcaaac     120
tcttctctgt ggttctagcc ttgggcagaa ttatatccca gagaccacag agcaactgtc     180
aagctgctta cccctcacc cagggctaca gcctgtgccc agccctctaa tttgtgcctc     240
```

```
tcttgtgttg ggggtggtgg gggttattcc tttccctttc ctgctctggc ctccttgaaa    300
gttcagagta cccagtacaa gtcagcttta aagtacagct tttagtgttt cctgggttgt    360
ttctctgggg ctttagtgag ggacctttgc cctctggttt ttcttgcctc ctggtttang    420
gagcatctca cacttgttag tatctggttg ttgggccagc ccgtgcctnc tctagatctg    480
gagccaggcc aggcaggggc cacgtgtggg ccagtcagcc actacaagat tttgctaagc    540
tttgggctgt tggcagcatc ttggacctca tgcctgggcc tgaatgangc tctttcttaa    600
gtggtttttac aaagtttggg ttttatttat ggagtgactt acccccttcca ttcagagcag    660
cccacccagc cagcccttna accttntggg ctcctgntgc ttaaaggcaa accgcctggt    720
tgggctccac cctgtgcatt gggaacccaa ccacccatgc tnaccggnat ttttcctcat    780
aaaagt                                                                786
```

```
        <210> 4175
        <211> 785
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(785)
        <223> n = A,T,C or G

        <400> 4175
tctaatgttn gaaanccttg ttctngacca tcccgggctn atgcttgggc acgagagatg     60
ttcttatccc caagagctgt ataattccag acagaggagg caggcagaca cctctataga    120
ggacttagaa acgactgttg tgagacacat tcagtgctca ggatggcaag tgtagtatac    180
cgttagaaag aacattcctt tggggtgtgg cctaggaagt tttccagatt tttcactagc    240
gtacatctaa ggaaaaccgt aaacacagag ctgccctta ttcctcccac aggaagaaat    300
gtacatcttc atggagtact gcgatgaggg gactttagaa gaggtgtcaa ggctgggact    360
tcaggaacat gtgattaggc tgtattcaaa gcagatcacc attcgatca acgtcctcca    420
tgagcatggc atagtccacc gtgacattaa aggtgccaat atcttcctta cctcatctgg    480
attaatcaaa ctgggagatt ttggatgttc agtaaagctc aaaaaacaat gcccagacca    540
tgcctggtga agttgaacag caccctgggg acagcaacat acatggcacc tgaagtcatc    600
actcgtgccc aaagaaaggg ccatggcgt tncggccnac atctggagtc tggggtgtgt    660
tggcntagan atggggactg gccaaaagcn cttggcatga ntattgannc caccttcaa    720
attatgtata aanncngggg atggnaccta aanccccca atcccngnan anaattaaac    780
ccctt                                                                 785
```

```
        <210> 4176
        <211> 848
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(848)
        <223> n = A,T,C or G

        <400> 4176
cnnnncgnnn nnncnacnan nnnnccggnn aacnttcnag gccnttnnaa ntcccnnttc     60
naangcttgg cnatcgnctt tcnncangna cncngcgtnn cggttggaga aaccaagctg    120
accaaaacat ggtccccacc ttttggagct tacagtctgt tctggggaac agagattcag    180
ccagnagtca agaaacactg gatgccagct agattatctg ntctgtgctt tggtgtctat    240
aagtacatat gtggatatgg gttcatttta tccctaaact tagtaccaaa ccagcattta    300
atatctaatt ataaatctaa tntggcctaa actttattat tgcacactgc ctgaacaaaa    360
cctatttgtc tctatgtaaa ttntttcctc atggaacaag ggtgtgaaat gaaaatattt    420
taggatttat tcaaaaacag actattctgt tttcagcttc agaattgttc tttgaatcct    480
```

```
aaggaacctc tgtcaacagt ngaggcngct gttgaaaaga aagaaganng aggcngaaat        540
ctctcangga gaattatttc ccnttctntt ctatttcaga tacctggagg ggtgggggaga      600
ngtaagaatt gtaggggagg atcannnctn ggggaaanct gtgaccagct naatgaanga       660
atgatgattg aaanaaccct cttgcatctc tnagntaccc ttcngcntcc cttnnaccca       720
ntggtataaa atntngggcn tnggcaacc actgaccatt tgncaangcc ttaattggnc         780
cccaaatatc cnacactggt ccnagancct taaangtctc cagcacccga cncnntnana       840
anncgnnc                                                                 848
```

```
        <210> 4177
        <211> 836
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(836)
        <223> n = A,T,C or G

        <400> 4177
ttctaaanan ntttgggnnn gtgnncttct aattttttcnn atacntggcn actcgnactn       60
tctnnangna gcnnntgngt tngcgaattc ggcacgtagc tgagcacctc gtctctataa       120
aaacaaaaca acaaaacata aacaacaaca acaaaaaact atgtgatagg cattgtgtta       180
ggcactagaa aatagtgctc aaacaacaac aacaacaaca aaacatgatt cttgtctcaa       240
agaatgcaca atgttgggga aagacaacta aaaagtnata aaacataaag tttgaaggat       300
attatgatag angaatnata ggatacgttc aatcatttga aattcntgaa tgtcatcctt       360
ttgggtggag caccgagagg gtttgtgaaa aacttcccac ataaagnaat ntaancnatg       420
cattnnntaa aaatactnat gtntttnnaa aaatgaatat ggcaaatgaa ctgtnctgcc       480
tancatntga tnaaggnntc acttttccat nccnanggna ttagcttatn nnacttcana       540
catttcaaan gtggaaaaga ctcancanat tcaaagcaac cattcttgta aagtttaatt       600
tccntgtgan tcgttcanaa ttnnaatnct tgggaaaaat gaacctgcaa taagaanaaa       660
aattggtttc acttttttcaa tnggggttaa aggtttctgg acttcaccca aagtggcttt       720
ttncaaatgg gggggncccn taaaancaan tatttaatga nggaacttat ntttgcggtt       780
tagcnctngg gggnatnctt ttgncaaaag gtttaaaaag ccaattnggn aangnt          836
```

```
        <210> 4178
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = A,T,C or G

        <400> 4178
ctnncttttnn ncctnaagtg aaatcgttcg gtttancctt tngcaggatc ccatcgattc      60
gaattcggca cgagcttagt tccacaaata attattgatt tgtttaagcg tgatgtatgt       120
gcttgctcaa ggaattagaa gatgagtatg acaaagctca ttccctcagg gagttgagtg       180
tttcagaggg atgaagtaaa agaagatttt aaaactacaa gtagagtgta agaagtatca      240
cgagaaacat caacaaaggg ctgaggatag aaggtgataa gtctcaagta tctcaagata      300
ttcagcagtg aatcttaaca taaatttgct tttaggggaa gaatttcaag catattgata       360
ggtcttaaat tttctagtct ctctgggata gtaggaagga gaatgatttt taaaaagttg       420
attatgtagc atggagtttg gggactagta aaaatttttat tgaaattatt tgggaattgt      480
tttacagttg tttttagtgg aggttgtatt tctgaaaata ttgcattttta gtgtgatgat      540
ttactaaaga agtagcaggg acttattcta aggtaggaga tagaaaaact aataagtaaa      600
aatctgctag caactttaaa tggctgtcaa actttttta atgattaagt gctaatgggg        660
```

```
ggcagatgga aattgtaaag ccagtgccan aacaattgag gtatagaagt ttttttctgt    720
caattgctct acttttgaaa gagaagaaaa ttnganggca aaatttaagt cattt         775
```

```
        <210> 4179
        <211> 816
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(816)
        <223> n = A,T,C or G


        <400> 4179
tnncngttnc ntattanntg ggtaatngct tggntctngn nctttctnca agatnccatc    60
gattcgcagc gatagcccaa aggctctgca gtattccctc caatggccaa ggattccgtg   120
tgtcatctgc aggagtgagt aggcctgctg tatttcttgt aactgctggg tgttacaaaa   180
taagttacaa tgttttacac tttaaaaaaa aaaacagaa ggaacatttg ctttattggt    240
tacttactag tttagcctct aggttatggc acagcatgct aaaaaatcat gtgtttaaaa   300
gtaaatgttg gtaaaatgct ggcatctggt cctattgtgt tgatgcattt tcacttctgt   360
ggtcatagga aatggactgg tctaaagaga gtgaggcaca acacaagcag ggcattagtt   420
tgaataggaa gtcaatcata tttggtttta tggcctggtg tattttgggt ttaagataaa   480
atagggaaaa atgtcagaaa tgatccctat gcatttattt catggatccc ttaatttcat   540
gggcatgcct aataatgatc tatgttctaa ctggagctta nggcttattt tagatattgg   600
gagtgtagct tttatttacn agatggattt tatctttcaa catttgcatt ttgatcaact   660
tttgtaatat tcaccgtgta tttaaaaata ttggtgcact taaaatgttt tncccctnng   720
nttncttttt atattgggtc caaaggcant ttantcaagc anctntttgg naatggaaac   780
tcaatgttaa anttggcntt gggttcaann ggaaat                              816
```

```
        <210> 4180
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G


        <400> 4180
tnnnctttct aatgcttggc tactngtctt tccgcaggat ccctcgattc gaatccgnca    60
cgagggnggc tgccgtntnt ggctttngct nnaagggcna ngttcgggaa ccgttccaca   120
ncatcctgat gtcctgaagg gactcactgn gcccattgcc agcagtcgnc attccctaag   180
gtgctgtgat ccanaangcg ggntgngaga nattggggcc ctaccctact nactntnncc   240
cacaccatgt ntaaaatact cannntntnn anggcnnaa nacngctatc tggacccccna   300
tcaggnctgg gnaacactgt tnaaagtcc cctttcatgt tggccccatg aanagaccac    360
ngaccacgng gtacntggag ctcgatntcg anagttctca agnggaact gaggggactt     420
ccactnctnt gggactnngg tcnactnncg tgnanancgg gacnactaca tnntggnctc   480
tttctganca ccaccctntt ttcacgatgg nacntgtaga agggaaatgc tgganngatc   540
catccntcnt gntctcttct tcngccctaa atgnctgcan ncanntccgn ncngtncntn   600
acctgnnngg tccttttggc cccngcnttg ncatgantac cngnntacct gcatcctanc   660
ctgacacnnt ttgnctctat cgctgcagtg anggaaangt gggtgggtat ttttccccaa   720
taaagacttt agaccctnt tttnct                                          746
```

```
        <210> 4181
        <211> 865
```

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(865)
        <223> n = A,T,C or G


        <400> 4181
cgtnnccctt ttcaaatgcc cttggctact cgcctttacg caggatccca tngatncgaa    60
ttcggcacga gccaacctgc tgtccctcaa gccccgcttt taccagcctg tggagttcag   120
gaggcgagac atnctggcct cctttgagaa ctgatgggat ctaccccctg tccacgcngg   180
acagtntctc agaactgggt catagaccac ctgtgttacc aacagccaga tacctaatcc   240
ctgagcctnc tttgggaang tctggggccg agggtctggg aatntgcttt nttttttgg    300
gacagagtct cattctgtca ctgcactcca gcctgggtaa cagatcgaga ctcccatctc   360
aaganaaaaa anaagganca gggcatggtg ntagtgtgac tggggtncca gctacttcan   420
aagctgaggt gggaggatcc cttgagccct gtaagcggag gctacagtga cctntgatgc   480
cantgaactt ncgnctatgc aacagaacct gtcttaaaaa aaaaagtaat taanaatttt   540
aaaattcaaa agtgggacta ttnatnggtt aacagaactg nntttaanaa tgccntaaaa   600
atggtggcnc catttttttt aanaaccntt gctggntntt attggtnaaa aattgnantg   660
gntcttnccn tggccnnngt cnntnaaaaa ttntttngna ngggcnagnt tttatngtna   720
attgnctcgn aaatntgnnn aanatttcat tcccananna angntnnnnt tcccttaaaa   780
nntngnactn aattgccntt actgttnccc ntnaanttta aacnacnnat ttnttntaaa   840
accttttnaa angnaacccn nnccc                                         865


        <210> 4182
        <211> 989
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(989)
        <223> n = A,T,C or G


        <400> 4182
tncccttgtt gaaanccctt tgctcctttn tnctnccgtt tgncatncna ttcgctcagc    60
tgaggcaatt aaactggaaa agaaatagat tgaaaagata ctntngaaga agcagtacag   120
aagttggggg actgaaggag agggagccac tgcaggtgct agctgcttaa ggggataccaa  180
gtcctttttac agatataata gatacagctt ctgaggtgga gggtgatagg agtgtgtatg   240
agaaanttgc agnttnacaa ctgctcntgc ctcctnggca anaggannan cntttcnccn    300
nttncnnccc ttatngnaca cacattgncc tgattggncn tnccncngct agcttncagt    360
cttnantnta ctcannagnn nntnggggaa cncnctntcn nantatgntc ccttttcctc    420
tnncntnncc nnatancacc ccnctcnctt tcctttctaa acttncacan ntccctgana    480
atgncttccg aatggantct tngaatttct ncgcccctnc ntcntcataa tcnttttgct    540
nctccngctc nccctcattt tnctacgtnc cnccttctnn ttnactgnct ttaaatntta    600
ttancnncnt ntncnttncn atctncaant tttcnnnccn acnnnntttt nctnntnnca    660
aatcgcgnna aataagtntt gcncactcnn ntnctancnt attntccctc gcnnttntcn    720
tcatctcccg cnncactcac ntnnncnnnt caattnntnn nnacncncnc tgctctacnn    780
ncnatntctn tnccntcaca ccctntancn tntcnctcan aatgcctttt ctnccttann    840
nctntcnttc ncnnatctan ccaantttnc tttnacatcc cctncnnntc tnncccgacn    900
atatntnacc tcttnnatcn cagngcntan natcnccccn ttntcnctnt cnctctcann    960
cttntnttna tcttcatnna tcanncncc                                      989


        <210> 4183
        <211> 820
```

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(820)
        <223> n = A,T,C or G

        <400> 4183
tnncctttct aatggcttgg ctacnggctt ctnaagnatc cctngtttcg cagctatagc      60
actaggcagc cttgcatcct gggtgttgaa agtgcaggcc attatcctcc cctctgacct     120
ccaagatgtt aggtggcctt tctgtgcctc agttttatca tctgtaaatt gggtatgatt     180
gtactagtgc ctagtacata aggagtgctg caaagattac atgagtgtct ttaaagtcct     240
tacaacagta tctcacacat agtaagcatg gcatgtggta gttactatca tttagtccct     300
cttggagcaa tggatattaa aatttttaaag acagttgtct gntnaggatt ggncatgcag    360
cctgaagttt naaaacaaat tgcacctgnc tgtgtncatg ggganacttt ttaangccct     420
ggacctnatt agctnaatgg gctgtggaan tgnatggggc cttttgnagg gcnccnnttt     480
tnnaaacccc naaatttttan aaagnttaac cccagannct tnattctnca ttttaactgg    540
cctnttggna gatatatngg cagaagtttt tanaagggtn naaaagtttt ttttgcnccn     600
anaaaaangg ggcttaaact tttttaattc nngggtgngg cgccnnaatt tttcaataaa     660
aannttttcan gaattattaa nngggtngg atnaanngan tttnttnttn anaaaggatt     720
tttaaanaat ttgggggggaa gaacccnaat tattaacngc taanttattt natggcttcc    780
gactttnnaa ngtttttnga aananccna nntttattnn                            820

        <210> 4184
        <211> 810
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(810)
        <223> n = A,T,C or G

        <400> 4184
tnccctttnc taatgcttgg nataccttgg tttccaatgn ttnccagggt tncgtgcact      60
ccagcctaca tgacagagtg agaccctgtc tcaaaataat aatantaatg nactgagact     120
cagaaaagat gttngntcaa ggttacaaan ctcanacngg acaggcagc attggnaacc      180
aaaatnggtc tgactcctan gctcatgctg naaatnacng tgcaaggctt ntactatcta     240
tnttttcct aanngaatgt ctaaatgnac ngatggttaa catattacgc agaatatgtt      300
aaacgtcaaa tgaactgtnt naacnataaa tgctggagag ttgaagtggc caagaactca     360
tgcccnaggt gatctgggaa ngcctcttga acaaggtgga attatagctg gttttttgaag    420
aatccgaaag gtgcttagat tgaaaggtga gacatgtaca ggaatggttt ctaagatgtc     480
atatttatc tctgtcctca tcttgactgg cactaatgaa catcaaagat ttnaacctaa      540
atncattgag tgcccagnat gtgaagggcc ttatttatgt aggtttttaaa gctttttaac    600
atactttaaa agaannggac tggttaatct ncactgnctt agatcccttt angaccccgg     660
gagcccggat tggcccccag gngnccccttt tgggaaatgg gcgttggtcn ggaccaagt     720
cttncacntt ttgggaccnt accccanaga aaaaggaaat gggtcccttt gggggaattt     780
ttgccaggac cttacaattc ttgggaanaa                                      810

        <210> 4185
        <211> 820
        <212> DNA
        <213> Homo sapiens

        <220>
```

```
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G


<400> 4185
gnnnnctttt gaaanccctt ttaanccctt gctcttgntc tttttgcagg atcccatcga      60
ttcgaattcg gcacgaggca gaggcagggc tagaatgttg gacttcagat ctcttacttc     120
tgtgtgctag tgcaccattc ttagtccagc acagacaatt ctcaaacaga ttagcaaacc     180
accctcttga aattgcaaga attgttacca tgtgatcaag gcatcataat taatgcaaac     240
cctagtttct agttgggaaa gagattaaga tggagacttt gtagtaaaag atggacatat     300
attttattca catagcttat ttattttgaa tgaaagacca agcaaactct anccttggcc     360
tgtcctgang aaggtgatct ntgaaataaa tgcnctgnan aatttggnga canngngnct     420
nncctntgat ntatctgntn ttatccaang gttcaatnn tgtncctntt natnccntat      480
tccctnnaat ttttnttgna acnnncccnn natttcntna tngncccttt tcttncntna     540
cnccttntac cntttatttn tnnaannccc nttttcnnnn ncaatnctng ntcntnaant     600
cntnnncttn tnnttnnctt ttanncccct tnnccnttnc ccctnnnnn ttaanacntc      660
ctncttattt anntcntncc tnttttcttc tccnntttct ttaactnntn nnncttccac     720
ttctttacct tatatacntt aanntctctn tngtattnta aactcnttnt atcttnccct     780
ntctnctaaa tncatcctca natnnttagn nnctcaacct                          820


<210> 4186
<211> 847
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(847)
<223> n = A,T,C or G


<400> 4186
nnnnntttnc ncccntttgc aaaccctigc ttctnctttc naattggctt ggatcgattc      60
ggggaattct ctgccttttg gggaacagtt acagaggacc tnntaaaccc ttgtttngtg     120
ccaggccccg agaccacaga gataacctgg gacccaggct ctgcccatgg ggagctccca     180
gccctgtgag gaagacaggc catcctcacc cagcacatcc tactgtaccc gaagagaggg     240
cgcagtgact cattttttgc cgttggcatt aggtttaaaa gatggttgaa cgtccacaga   ·300
aggaaaagga attcctggca nagggccctg cctgagcata ggcagggagg ctgagcagcc    360
acgtgtgctt gagcgctggt ttgncgaggc agcaagcggc ggctgtatgg tgttgctgca     420
gctgtatggt gaaagggtgt tgaaagctga nccaggaatc aaggctgctg gccacagacg     480
cattgatgat ggatgacgtg ctggtggggc tgacacctga aaaaaaangg tgtcaagttc     540
caaaacaang gcctggcata caagtanggn ccacaaggga gaagcatgag ggaaatggct     600
tngcccgcct ggggntccct ggganaantn ancaattnnt cngnatgnnn aaggnncnaa     660
tnnnnanaac nnnnnnccnn nncnntnnnn annnnnnnnn cnaaannncn nnnnanncnn     720
annntnnnnt naanattnnn nntntnnnnn nnnnnntnan aannncnnna annnnncnct     780
anctnnnnnn nannnncent tnnctnnnnn anaanngnnn ntnnnnnnnn nnnaannnac     840
ccccnc                                                                847


<210> 4187
<211> 884
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> (1)...(884)
<223> n = A,T,C or G
```

1325

```
         <400> 4187
cgcttggttt gagcnnctna anccttccca tgcgatncga attcggcacg agggacagtg        60
ggcctggccc gtggagctgc cacgcaggtg cctgagggcn nngtgccacg caggtgtctg       120
aggaccaggt gccacgcagg tggtgggggt acagacaaga tgctgggatg tcccctgccc       180
catggtcaag ggtgtcctgc ctgcctgggt ccagggcctg agggagccac atggatcccg       240
agacttgtgt tctcttgctg aaaacactga ggtgctccca tctgtgcgtg gcccatgagc       300
tgggatggtc ctncagcttg cccacaaggt ccgnccctct gtctcttgca ccaacctgtt       360
tgcataaaca cactttgcta caatcttgct agtgcgtttt cttaaaagat aatctattta       420
ctgtaaaaaa taaattggac tttgcaaaag cttttagaag gaaaagaaag aggattaaag       480
agaattgctg gtgaaaaaaa aaaattccat aaaaaaaaaa aactgggaan ccttttagaa       540
cttntagttg aggtccgtan ttaccttaag ntnccaagac cntggaatta nggaattcca       600
atttggattg aagttttggg gaccaaaaac cnacaancnt tnggaaattg ccaatttgaa       660
aaanaaaaaa tggccttta aattttggng gnaaaaattt tttgntggaa atgcctttat       720
ttgggccttt taaaatttgg ggtaaacccc aattttttta aaagccttgg caaattaaaa       780
nnccaaggtt ttaaacccaa ccaaaccaan ttgggcattt tccatttttt naatgggttt       840
tccangggtt tccaggggg ggnaagggtt ttttgngaaa ggnt                       884
```

```
         <210> 4188
         <211> 781
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(781)
         <223> n = A,T,C or G

         <400> 4188
tgtnncttn cnncctcnnc cgaaatcnct ttgnttctaa ctttcctaat tacctgggct        60
acttgcacta tcccntcgat ncgcatagat ggccnngtta ctaaggtga ntttccagcg       120
cgggggggcac gtggagtcac tggaacattt gngcaatgct ggtgggaatg tcaacccgng       180
cnggcctctg gaatangcct ggcnnntcct gcnagagtta ccntgtgacc cagcaattcc       240
actcctagct ccacccacag gantngaaag cnaagacgca nacagatgcc tgngcnccaa       300
anttcacggc agcatcctnc gccatantgg cancatccgt cgtnacagcg gcatcatcct       360
tcatcattac ggcancatcc gtcgtaacag cggctacatc acttcgccac agnggcagca       420
tctgtngtca cagnggcngc ancctngcc aaagcggcag cntccttcgt catagcggna       480
ncatnctttg ccatancngc naggtggaaa ccctgnccat ccactgaggc ntncatanac       540
tanncatggn cagtccaggg cactggaanc cangccgtng aacggcgccn acggtnanna       600
ggaatganac cntgatgcnc tggggccana catactggct anacanactt ggagacatca       660
tgcttanttg nannnccant cacacttgcn nncggcgtna tcctgctcac gtgatncgac       720
ccgaatgggc acttcaaatg ggaanaaggg ngatggcact nccggtnncc tnganagggg       780
n                                                                      781
```

```
         <210> 4189
         <211> 851
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(851)
         <223> n = A,T,C or G

         <400> 4189
tnnncttccn nnctcnacng aaancccttg tattgccctt tatgcaggat ccctcgattc        60
gagcagctgc atctaggggc ccttggtgag atttacactc antncctggt cgccccccgt       120
```

1326

```
tagcccagat tcaaaaggtg aacatctgtt tgcagaatct gattcatgag aaggtgagtt    180
tattgttttc agtttagact tttgggaagt tggactagag aggggagttg ttggggtcag    240
tgctggctta acagaaaaca cagcgaattt cccctccagt tctccccaag tccactgaac    300
aaggctagtt cctgcaccac ccaggattca aaggaaagac gaagggagca gaacttgtgg    360
cagcaacagg taaacttcaa gaaggagggc aggagcccca ccctacaggg cttggganga    420
gcccagaggc cccatctgtt tcttcttcca ggagttgtca aggcagcaga aaggagtcac    480
ccagccaaag gaggaagatg gcttcaccgg gctgcaccaa ggggccaaga agcccttacc    540
ccgtgtctaa acccttctct cacttccct taagccttgg tgaaaagaag tcaagaaagc    600
cccaaggctt ccttttttct tggtttcttn aacttcaacc agcttaaaaa aatgggcttt    660
ccagggtant tggaagttca attgaaantt tcaanaccat tggtttgggn ggttaaaagg    720
ttttcttcct tnttggttnc ctggaaaaaa cctttcaatn ctttcntttg ggnggtcttc    780
antggtccnt caaattcttt ccccttnta ttgaacattg ccaaaaaaac cnancctttt    840
tttttttgnaa a    851
```

        <210> 4190
        <211> 741
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(741)
        <223> n = A,T,C or G

        <400> 4190

```
tnnnttctaa tantttggat cttgtgtctt tntgcaggat cccatcgatt cgaattcggc     60
acgagcccat gtcccgcccg ctcgtctgcc tggctgcggg gtgacacggg gcttcgcctt    120
gggaaggggt cgagggaagc agttagacgg ctgccgggcg gcggctgccg cgcggcacac    180
aatatttatt taattgccca actaccactg atgaagatat attggagtga ctgctgaaat    240
tgccttttg tttttaacca gaggacagtc catttgtttc acttcttttt gctttctta    300
ctgctatgag ctttactgaa cggctgaaaa acttggaaaa taaaatggac atgctgtagt    360
cttgaacata attttttttaa ggaaaactta aagtgccaga gtgaaagcca gaatggcatc    420
cagagagagg ctctttgaac tttggatgct ttattgtaca aagaaagatc cagattacct    480
gaagctgtgg ttggacactt ttgtttctag ctatgaacaa tttttagacg ttgactttga    540
aaagctgcct accagggtag atgatatgcc tccaggaata tctctgcttc ctgataatat    600
tctgcaggtt ctgaggatcc acttctacag tgtgttcaga aaatggcaga tgggttagan    660
gaacaacaca agccttgtca attttgcttg caagttcttc attattcttt gcaggtatct    720
agtagaaaaa ataaccttgt t    741
```

        <210> 4191
        <211> 730
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(730)
        <223> n = A,T,C or G

        <400> 4191

```
ttggnnctng ttcttttttgc aggatcccat cgattcgnac cgncnggcca gctgncaggn     60
nacaggggct gtaggcccag ctcanaccac ttnggagctn tggctntntt caaaaacatt    120
gtngactctc ttacccacac attcctnngc tggaagggga gattgacaaa ccagcatcat    180
ctctangtta ctacaaaagc cctcnctggn aattattctt aactnancag ctggtagcga    240
tccattcnga aaaagagtac nntagactga gttnctctgc tgntnaaann nctgaanagc    300
ctnctaantn tacctancgn aaaacctana nnccttnca tggcctgcta ngccctgcgc    360
```

```
cctntggccc atcntntacg accacctnta ctactgccnt tctgtnaggc ctntgggccc    420
aaacctgtnc ctatnaatcc agatggcctg aattanctga acaatgacan angatgnnaa    480
aatggcctga tnctgcctta gctgatgaca ttaccttgna aaancncttc tcctggctca    540
tccnggctca aaagctnncc anctgagcac tgggacctaa acccctgtcn nccagaggaa    600
nnacccncta tgactgtaat tatccatacc taacccgatc ctataanatg gcccgcccnt    660
tctccnntcg ctganctttt cggacnnanc ccgctgaccc aagtgaaata aacagcnngt    720
tgntcacact                                                          730
```

        <210> 4192
        <211> 730
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(730)
        <223> n = A,T,C or G

        <400> 4192
```
ttggnnctng ttcttttttgc aggatcccat cgattcgnac cgncnggcca gctgncaggn    60
nacaggggct gtaggcccag ctcanaccac ttnggagctn tggctntntt caaaaacatt    120
gtngactctc ttacccacac attcctnngc tggaaggggga gattgacaaa ccagcatcat    180
ctctangtta ctacaaaagc cctcnctggn aattattctt aactnancag ctggtagcga    240
tccattcnga aaaagagtac nntagactga gttnctctgc tgntnaaann nctgaanagc    300
ctnctaantn tacctancgn aaaacctana nnccttttnca tggcctgcta ngccctgcgc    360
cctntggccc atcntntacg accacctnta ctactgccnt tctgtnaggc ctntgggccc    420
aaacctgtnc ctatnaatcc agatggcctg aattanctga acaatgacan angatgnnaa    480
aatggcctga tnctgcctta gctgatgaca ttaccttgna aaancncttc tcctggctca    540
tccnggctca aaagctnncc anctgagcac tgggacctaa acccctgtcn nccagaggaa    600
nnacccncta tgactgtaat tatccatacc taacccgatc ctataanatg gcccgcccnt    660
tctccnntcg ctganctttt cggacnnanc ccgctgaccc aagtgaaata aacagcnngt    720
tgntcacact                                                          730
```

        <210> 4193
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 4193
```
gtnncnnttt ctaatgcctt ggnnntnncc ttctaatgct tggctcttgt tctttntgca    60
ggnatcccat cgattcgaat tcggcacgag cctagttatg ctataatcaa gcaggaaatg    120
tttatggaat ggaaagatta aggaaaaggt atgttcttat tttagcaata aaacgaatac    180
cagaagcttt aacattcacc agtacaaata aatagtttca atggaatagg tcgaaagtaa    240
agggacatca ctagagtaaa tgctagacct tccctctcct tttattttta gcaacagcaa    300
agcagaaact aagatctaca agtgatcaaa gagggtgatc cattcagttt ctgtgtagac    360
aggaataata ataatacctt ttacatattg gtacagtttg taaaaacact ttcacttact    420
catttaatct tcatagcaac ttgatgaggt agaatactat aggaagcagt attagctcag    480
gttggtacgt aaattactgt gtttaaattt caataaaaca gctatggaat ccaagacatt    540
cttggcgcct aataaactgt attctttgcc aacagtgaaa gtgcttctct gttgcttggt    600
aagttttttc cccttagaat actaataaag taattgatta actttcattt ttattttgat    660
ttgattggga cagcaatttt agcagtaaaa aatgtcacct ttataaatcc tgtggtttct    720
```

1328

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```
ggtcttggnc aagttaaatt caacctgacc aggaaggcac gctttaattc ttat          774
```

```
        <210> 4194
        <211> 771
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(771)
        <223> n = A,T,C or G

        <400> 4194
gnaacntttn gnaaancctt ngttctaann gctgggntcn nttggtntct gcacgatccc          60
ntcgntncga attcggcacg aggtcagatg ttcctggntt acgttgagct ncantgaagt         120
gagagggggca naggggggctt gggaagtcac aaggtcangg agaggagaag aagcgtgctg         180
gatgagtcac actgnaggac tcaagccagt aggttcttgg tagcccgnnt actgacctgg         240
agccangcac tgatagcaac gtgtnctctg agggaaggcn aatggnaaat ccaagcangc         300
actgggatct gcctgtgaca ctcttgtggg gcctggaccc tcnncctaag ngagcttggg         360
ccantcagag ccaccccagg ngcccctncc ttatctcca ttgtggcang cacaggaaca         420
ttgtgatacc canaaaatgg actcctgtct tgtgcacagg atgcacctgn gtttnctatc         480
ttncattcct gaganctntn nagccaggag gacctgantt gaatcctgac tttgccnata         540
tnaatgacta tgtggctgtn ggtaacttac ttatnctaca tgagactact tgtttcatct         600
gccggaaaan gtaccatann atctgccttg ccnttattga cttnaggata aatcaagtcn         660
gntantaaag ggaaanntnt gttncacttg aaaaatcaat taatggttca ttgttcctcc         720
ntttaaaann gaaatacaaa ngcttcngcc tttagaacnn tnntggagnn c                 771
```

```
        <210> 4195
        <211> 744
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(744)
        <223> n = A,T,C or G

        <400> 4195
ttccttcaat ngntgggaac tngttctttc cgcaggatcc catngattcg aattcggcac          60
gaggatgcat gaattactgc attaaaattg atttatggga attattgttg tttcagtagc         120
atttcaattc agttgccaaa tagagcagtg ggcaatgtta acggaaacaa ctgcaattgg         180
cgcagtatgg agtgcctatc gcactaggaa atctgagggt cacaaaagaa aggagatgtg         240
aggataagaa actttgtttt tcccttgttg ggaactcttt aggcctcggt ttctggtgac         300
agccccaggg atcatcaggc ccggaggaaa tgtgactatt ggggtggagc ttctggaaca         360
ctgcccttca caggtgactg tgaaggcgga gctgctcaag acagcatcaa acctcactgt         420
ctctgtcctg gaagcagaag gagtctttga aaaaggtaag ataaacagca taaagtctta         480
cccttctgca gtaataactg gaatatgtta ataaggtcat gtgttangta gtatagcaga         540
gaaaccccaa atttgcagta tcttacctaa tatactttta attctcactc atgtaaagtc         600
ctagatggtg tcctggatgc tcttccaagt gccagattca gagacccagt ttccttccat         660
tttgnggctc cattatcatc acttggctnc caagactgca ggggaagatc atggatttct         720
tcatgggana angggaagag gatn                                               744
```

```
        <210> 4196
        <211> 763
        <212> DNA
        <213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(763)
        <223> n = A,T,C or G

        <400> 4196
tntnnttcct aatngntggg ctacttgttc tttctgcagg tatcccatgc gattcggttg        60
ccaaggattc tattgccatg tgttgaggag taggagcaag gagatagagc aggaccaatg       120
ttacaataag aacccactat taaccccaa gaatctgtct tgtgagggag ataaatagtt        180
atcatacatg cgataagtcc cacaccagca catgaaaaga ttagaagaac aagagaaggg       240
aagaaaccta ctgacctgtt tcagggtggg atgcttcata aagaggataa cagttaagcc       300
actaacagta atgcctctaa tcttgaatct gttacctact agttttgtgt ccctgggcag       360
gtaacttcat gtttccttgc atcagcttac cttttaaaatg agaataatga taattatcta      420
acagggtcct tactgaggat tctgtgagat aatgcatgga aagagcttaa gtccatgccc       480
aggaaatact aagtgctcaa agtaaagcat ttttttttcc tttttttatta cctagtccca      540
caagagcaat ttttttatat caagattagc tttaaattca gaaggaaagg gaatacttga       600
atggctcatt gccagtaacc ttatattgat gccatgtttt gactttgaga cattttttgg       660
agtctttttn aatggnaata caggtttctg gtggaaacca cccttgttgt caaaaagttt       720
cnntgacctt gtgtgtgtgt ggnggtggt acacatgtgt cct                          763


        <210> 4197
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 4197
ntntttnnnn nnctnnttgg aaacccttna aggaaanacn tggcccttcg caactncagg        60
ancccatcga ttcgaattcg gcacgaggag gcaggcaggg cntttgggtc ccttgttcag       120
ctgttatggg gcttaggcca tgctcagtgc tggggacagg agttttgccc aacgcagtgt       180
cataaactgg gttcatgggc ttacccattg ggtgtgcgct cactgcttgg gaagtgcagg       240
gggtcctggg cacattgcca gctgggtgct gagcatngan tcactgatct cttgtgatgg       300
ggccaatgag tcaattgaat tcatgggcca aacaggtccc atcctcttca tgacagctgn       360
gagctcctta ctgtgggaga gctgcaggga gccaaggagg gctgcctgac acacttgccg       420
ctctcgtgtg aatccaagaa actgcnttnc tcaaaggggc cctggtngtc accttctncc       480
acagccattt ccacccatcg nntgtctaga atctctttca ttagcacatt ccaacccctc       540
tgacactngg tttaaaaatg agctccctgg ctcantgggg ccttntagaa tctggaacca      600
gacggaggtg gaagttaaga agataggaca gaacaagcag gcccaaagng ctatgggttc       660
actggggana gaccattaat tctncagatg ctttactcc tgatggcttt tacccattat       720
tcttttcngt tttaagagac atgggctnac tcttgnaacc aagctgggaa tgct            774


        <210> 4198
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(774)
        <223> n = A,T,C or G

        <400> 4198
```

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```
ntntttnnnn nnctnnttgg aaacccttna aggaaanacn tggcccttcg caactncagg     60
ancccatcga ttcgaattcg gcacgaggag gcaggcaggg cntttgggtc ccttgttcag    120
ctgttatggg gcttaggcca tgctcagtgc tggggacagg agttttgccc aacgcagtgt    180
cataaactgg gttcatgggc ttacccattg ggtgtgcgct cactgcttgg gaagtgcagg    240
gggtcctggg cacattgcca gctgggtgct gagcatngan tcactgatct cttgtgatgg    300
ggccaatgag tcaattgaat tcatgggcca aacaggtccc atcctcttca tgacagctgn    360
gagctcctta ctgtgggaga gctgcaggga gccaaggagg gctgcctgac acacttgccg    420
ctctcgtgtg aatccaagaa actgcnttnc tcaaggggc cctggtngtc accttctncc     480
acagccattt ccacccatcg nntgtctaga atctctttca ttagcacatt ccaacccctc    540
tgacactngg tttaaaaatg agctccctgg ctcantgggg ccttntagaa tctggaacca    600
gacggaggtg gaagttaaga agataggaca gaacaagcag gcccaaagng ctatgggttc    660
actggggana gaccattaat tctncagatg cttttactcc tgatggcttt tacccattat    720
tcttttcngt tttaagagac atgggctnac tcttgnaacc aagctgggaa tgct          774
```

```
        <210> 4199
        <211> 1068
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1068)
        <223> n = A,T,C or G

        <400> 4199
tccctttnaa ctccttgaat cccttgaatt ncttatccca tcgattcgct gatctccaga     60
cccataaggg agatgctgag tagacaactg gggctttttt ggtctggagt tcagaggaga    120
gatcgggaag gtgtccattt ggagtcatcc acgcagagat gtgtgaaggc tgctcaatga    180
ttttgaggtt taaagaaaaa aagagatgtg aaaccagggg ccctgatgag gctgcccagg    240
tggtaaggaa gacagaagag aagccatggg acagctgagc ccgggcaccc tcaagccttg    300
gaggcatgaa gnttggtggg gatctgncnn naaacacctg nnanctgtca gngggccanc    360
anccctnta gtntcacnga nnnnntncnn nangcaaaat ggnctnttna anatctcngn     420
ttatntaccc ntngnagtca ngnnngacta cntnanaaca tnctnatatg naaanntatt    -480
tcgcngcact cngnctttaa ccanntctgt nctttcnct gggtacatgn tcgnnatntt     .540
tnctnggaaa anattaattg gctnttttnt nnanctnngn ngaactgtaa anttnnaccc    600
ttcnacannn aanntttnct ctcnggggct ncttncaatn nacntaatan ggncacagnn    .660
nannctnanc anatnannaa acccttannt atannacncn nnnannaaan anttannngn    720
nntntacncc cananctntc tnctnaaaaa tnggnnncct tcnttcnnna aaancntcat    780
nnntnantnt atanannggc ncatttnact ctnncctat aanantcnnt ngnnntcccc     840
annaaatctg gggnaacaan ctttgnnntc aaannannnc tctnctnnnc nctcacanac    900
gncanttnnt ncaanngnnc acttacnnna antntntcta ntatatctnn cnngnntcnn    960
nnatntnngn cntnntctna ancntttta tttnnanana nnaacnttan anccctatn    1020
ncttnntcta naagcancnc naacaanttn tccnngncnt cctnnncc               1068
```

```
        <210> 4200
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 4200
tnnnnttnnn nnnctcttca aatccttgtt ctgcctttct gcaggatccc tcgattcgaa     60
```

                                    1331

```
ttcggcacga ggctgtcggg cctcagcaga gctgcctacn cacctgagct ccgattcatg    120
tactacgtcg atggcagggg ccctgatggt ggctttcgtc aagtcaaaga agctgtcatg    180
cgttatctgc agacactcag ttgacacttg ttatatcatg ggaccccgga aattggagtg    240
aagctagaaa cagaaaaccc atgcagggcc tcggattccc acaaatgtga caagaggtat    300
agggagtgag tcgcagcgct ttgctcgtga ccctgggatc agagcaccca tcaggcttcc    360
attactgtgg gctccctaag aagaccatgg agagcttggg gactccccca ggaaggccgt    420
gaagctgggg attcccccta ggaaagccat gaggaactgg ggactcccca agaaggccat    480
gaggaagcca gaaattggag gtggtaggaa gtggtactga tcaatgatgg ccagcaggac    540
tcatctcctg cctaactgga caggaagcct gcacccactt ctgtcttncc ctggaactgg    600
gcactggcgt acactggtat ccctcctaaa gaagtgactc acctgactga tcagcaagaa    660
gcctanatgc aggcctacca tggatggctt cctagttgcc tggggaaacc ctggaatggc    720
atcaggagaa agcaccagga atccagtcct tcnct    755
```

           <210> 4201
           <211> 766
           <212> DNA
           <213> Homo sapiens

           <220>
           <221> misc_feature
           <222> (1)...(766)
           <223> n = A,T,C or G

           <400> 4201

```
naataccagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagaagg     60
ccttaggctt ttttttttgta gggtgagagt gggggagaga tctcttgctc tgttgcccag    120
gctggtctcc agctcctggc ctccggcagt cctcccacct cagcctccca gagtactagg    180
attatgggca tgagccacca cacctagcca ggcttttat attgagttgg ttatatatgc    240
ttcatagcca cactttataa tattggagta tagtattaaa ttacagcttg ttgtcaagtc    300
agtgtttctg taagacagta tatccaatat tggttagagt aacacctatt tggtgataca    360
gatcaacagg gtgtctctga ttaatttagc tcctacatag ccagaagcaa gttcattatg    420
atttagaata ttgtacatgg ttatgcagga atcatcccaa cctatctgtg tttataggtc    480
agatgatgtt cagtttatat ctgctgatag tgtatatgca ggaaaaccta taaaaccact    540
tcagacttgt taaaacagtg agaaagccgt gattgaaata ttaatacaac ccgtgtggta    600
taaatttcat ttacantggg aatgtaaatg ctgtcatttg aatcttgnca aagcctgcta    660
ctaaaactct taaaanccctt gctaggggaa taagtctttta ntnccaaaaa caatatanan    720
ggggatgtgn gtggataata caaggacaac catatgttgg tggcnt    766
```

           <210> 4202
           <211> 791
           <212> DNA
           <213> Homo sapiens

           <220>
           <221> misc_feature
           <222> (1)...(791)
           <223> n = A,T,C or G

           <400> 4202

```
ggnnnnnncn gggaacattn cncnanatgn actcnttgca aacgcccnn aatgcaggat     60
cccatcgatt cgctgaaacg gaaacctttc gcaaagcctg tgcaggcaga ggattttaca    120
cacatccttg acgtggcact gtgtcttcag gggtgctgcc ctcttacaga gagacagatc    180
tggaggccat ggccgttttg gtgagaaatg ccagaaacag cttcagtttc cacctactgc    240
ttcatatttta taatcacagt aatctatttc tcgnttngct atttctagag caacaaattg    300
tgtgatcgga aattagtacc agaggaacaa tgactccact taacaaaaaa atagcaaggg    360
aactatgaaa aatggcacaa ctgcttaact ttaatagttg aagtctttag gagacttcag    420
```

```
tagttgaaat gacacagaaa aatcctcaaa ctaacatacc tacatgaaac tgagtttctc    480
aaagtaaccc acatttatgg aaatagaagt ttgnnttgca gaaacatcag cncattttgt    540
aaggngtatg tgatatttaa anttgtgatg cttgngaata agggaatggg gctntaggtc    600
tgaggaaagg ggagcattca ttcaaactgg gaggggggttt tgcattttta aggctgctat   660
aagggcacga acttggngga gacttggacc ngntttccgn atgnatnggg gaccntctgg    720
tctaagccat tggggggngnc nggactttct ccaanattct ntccaaacnt gnctctctta   780
atttctccga a                                                         791
```

```
        <210> 4203
        <211> 844
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(844)
        <223> n = A,T,C or G


        <400> 4203
ggnnnnnntgn nnntttcnaa tnctngctac tcgttctttt tgcaggatcc catcgattcg    60
aattcggcac gagattacaa caatatggat agtaggggagg aggaaaacaa gaggagaatg   120
ggatcaacag aaggcatata tggggagtgt ctggatggct ggaaaattcc attttttgac    180
caagatgtgg taaacacggg gagtaaagtt ataattttt ctcttactgt gcttttaggt     240
tttgttgctt tctgtctgta tgctgtgttc cacaataata aaaatattta aaaggcaaaa    300
aaaagtaaaa taatgaatat aaaattacac tgaaactaca tattctcata gatagaattg    360
taattattag agtttttgct gaataaagtc aaatagacta ttatagtagt tataaacgca    420
agttaaaatt ttagggccgg gcaaagtggc tcacgcctgt aatcccagca ctttgggtgg    480
ctgaggcggg tggatcacct gaggtcaang tgttcangac cagcctggcc aacatggtga    540
aagcncntat ctactagaaa atntaaaaaa tttncctggt ttttggnggn ggggctcctt    600
taatcccaaa ttactnnggg gagggttttg ggcaangaaa aaatttnttt caaactttgg    660
gnagcccccca ggtttntan nggggcccttn naaatttttn ccaattnccc ctttcaagcn   720
tnnggggggaa caaataatta aaaacnccnc ttttcaaan ttngaaaaaa aaaaaaaaa     780
naaaaatttg gnncctttttt aaattttngg gggggggggaa ttttnnngaa aaccccccaa   840
tnnt                                                                 844
```

```
        <210> 4204
        <211> 777
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(777)
        <223> n = A,T,C or G


        <400> 4204
aaaacnacag gctactngtt cttttttgcag ggatcccatc gattcgaatt cggcacgagg   60
aaagttgaaa tcctagttcc tggagtcctc tgtgatggca aattctgcct tccttgtttc    120
ttcttttttt ctcctctgtt ttcccatttt agtagttcaa atggtttttg tattattgaa    180
gacaggtatg tctcaaatcc atggaactca caaaaaaggc tcattttcta tcctcaagga    240
gctttacatc taatggaaaa cacacagtga agtccagaag gactcactgt ggactggtag    300
caccatgagg gctttccatg aagaaggact taagccagac ttagcagggt gggcaggtgt    360
tgaaaggagc tcatagattg ttccaagtta ggagagcatc ataaaaagag atggaaattt    420
acttgctaca gtttttagatt tgctctgctc atagcagaga gtccatttca gagcatatag   480
ggattgtcag gacttaaaac ctgctgtatt tcttacttaa gcacccctct ccccagaatg    540
ataagagccc anctttgggc cttggaatgg gagtagaatg tgggtatact gtctatcata    600
```

```
tganaaaatt gcntngaacc aaccccccn cncccncaaa tgcctgcatg tnaaactggn    660
gaacactggg taatatanat ggattattat caatgtcaac ttcctggact ggngaatttg    720
gcctataggt ttnccaaaat gtcccctga aanaaaaggt ttttgggggc tttntttt      777
```

```
        <210> 4205
        <211> 828
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(828)
        <223> n = A,T,C or G

        <400> 4205
nnnnnnttnt ttaagaccag ctcttgttct ttntgcagga tcccatcgat tcgaattcgg     60
cacgagagaa gctccactgg cacttttgta ttcacaacta ccgggtgcga taaggcagtg    120
agggttatta tgatacccct tttcacaggt aaggaaacaa ggctcanana ggttcaacaa    180
cagagtcata attcttcttg ttggagaatt cattttgnta catttcattc ccaccatctg    240
cagtaaggga gacccattaa aatatactat cctgattttt aaagagaagg taacattaag    300
gccnnnaggt tngggatntn nccaanttca ctntgggctt ctggactccc atgcccaaca    360
gcctgcatga tgcanaagtg tccctcaaga gcctagtgna tgattctttt ttngtgccan    420
ganacagact gtggacctgg agagggttng ggggctggag aantagagga ggtggganttt   480
ctacaacagg ggntattgng ggggtantaa gaccaatgac tacataaggg cctncgtttg    540
gtcttngncc agaaaaatgc gtctttagcc ttttaacgan tgcngtttnc ctccattana    600
taaccagntt taagccacng gtgttgngnt gggcaccatt ccannngctt ngggcncat     660
ggtnttntaa accnaagtcc ccctcnatca anngcttnnt taannanggg ngcctttgan    720
nttntttttc tttcctccag nnngaangga acntgttngg gctnnntntg ccttttttggn   780
nnaaaaaatt ttttttttncc gggttccnna aaaancttng ntnnnttn               828
```

```
        <210> 4206
        <211> 834
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(834)
        <223> n = A,T,C or G

        <400> 4206
tncaatncng gctctngttc ttttttgcagg atcccatcga ttcgaattcg gcacgagcgg     60
acctctagtg cctgatgttc actttcttca ggtcctcaat ttcctacatt taagctgttc    120
ggttaaactt ttccatattc agcttgagat caacctcctt tacataactg attatttttg    180
ccttgaggag aaaagatgac gctaaacaca gcacacatgt gtttattata tgttggtaat    240
gtggaattca aagatgaaag agacgtgagc tgcatcacta aaaaagaaac atattacata    300
aatgcaatgc tgatatcata gataataaaa ttaacactaa ttttttgata ttatcaatta    360
tgcagtccat aatcagattt gttttgtgct tagaaatgac tttttacagt tggtttgttc    420
aaatccagat cagataagtt tcacacatta aatctgtttta aaaccaatt tttaaaacag    480
acgactgtta aagggccaca tggggaagct ttatggaatc ttccaacaat tttgttgtcc    540
cagctacttg ggaggctgag gcaggaggat cccttgagcc caggagttca agactgggca    600
acacaaagaa accccatctt ttggctgggt gcggtggctc acctgtaa tcccagcact    660
ttgggagccc gaagcaggcg gatcatgagg tcaggagtca agaccagctt ggccaacgtg    720
gtgaaacccc gtnttcacta aaaattcaaa aattagctgg ncatggtggc gtgcgtctgt    780
aattcccagc ttcttggaaa ggttgaggcn naanaatctc ttgaaatcca gnat          834
```

```
<210> 4207
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

<400> 4207
ctaatnctng gctactngtt cttttttgcag gatccctcga ttcgaattcg gcacgaggac      60
acccagttta agggacattc tgtacggtgc ctgaatggcg ctcctgaaaa ctgtgcaggt     120
cctcaaggct gaggaaagcg taaactgtcc cagaccaggg aggccaagga ggcgcgatga     180
ctcaatgtca tgtggtgccc tggatgggat ccagggacgg gaaaaggaca cttgggaaaa     240
actggtgaag ttcacgcaaa gtgtccgggt tagttcagca tcagagacca atgatggttt     300
cttggttgtg acnaaaatgt tccatggtct gaaaggtgtc aacaccaagg gaagctgggt     360
nagagggcta ccagaatcct ctctactgtc ttttcagctt ttcggtaaat ccaaaagtac     420
tttcaaatga aaagtttaat ttaaaaatga gaagccacct cccccacgag atcatgaagc     480
tccatgaagg ccaaggccat gttaatgcca aatgcatgtt ggttgaattc actcgtgttt     540
ggttgaattt actgatgttg gttgaattta ctgatgttgg ttcaatttta ctggatgttg     600
ggtgaaatca tttcatgttg gttggaattc acttattact gnggtnctta ccatcttngt     660
tgcagccctc ttcattcttt ttttctnaat ggncaaacaa ataantnggn tgtanttaca     720
tatttattgg gngtntaaat ggnggataat ttaatattnt gtttttaaat gnnggnatna     780
at                                                                     782
```

```
<210> 4208
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(882)
<223> n = A,T,C or G

<400> 4208
atnnnnnntt tctaatacnn ggctactngt tctttntgca ggatcccatc gattcgaatt      60
cggcacgagc aaataagtta aatgtatatg gcattggatt ggaattggag gtatcagtgt     120
gaactcatgg ttttgggttt tttgtttttt gccttttttg ttttgttttt gtttttttgag     180
gcaggggtgtc actctgttgc ccaggctgga ngaaatactc annaacgana cnctatngtg     240
tatcanaagc tgctacgcnt ntcatggntt tgttanngan cnacacagat agtcntnntg     300
tattcancga cttannctan anagagacag natgggaatt aantgttaan gtgctagcca     360
acaagtaaag attcncataa aacaanggtn atatncccag tcatcaaagt gataaatttt     420
ccctgctaac tttagattaa aaagtanttt ttangccann ttgtgngngg ctcacacctt     480
tttntccctn cacttttttng caggcntnan ggttngacna natccccttt nacnnttcan     540
gaantnttcn nnnaccctcc ccttgggcna nncantggnt cgnaaacccc ccatcnttttt    600
tccncaaaaa aattcccaaa ntttcgcngc cacccggnnt ngnnntnccg tggtanccnt     660
gattnttttc ncncttccan ccggnnnggn cncacngcc ananaaaaaa ccttcnttnt      720
anccctngnn gaggccncnn gtttcncnat ngnnccnna aaattggggt cttttagnan      780
ctcnttaccc ctngccnnnc nganttnaan cnattcttn aaataaaaaa accctccttaa     840
ancttattat ngagtccgta tttncntanc aacccntacn tc                       882
```

```
<210> 4209
<211> 881
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(881)
<223> n = A,T,C or G

<400> 4209
```
nngnntnntn ntttctaacg ttggctctcg ttctttttgc aggatcccat cgattcgaat    60
tcggcacgag agaaagattt tctttattaa tgaccccaac cgtatttctt tagatacagg   120
agttttgaac tcaaatactt aggagaaaac aagttatgac tgcattatcc tgcaactcat   180
taccagtaat atattgcaaa gcgaaacagc ttggaaaaga gggtgggaga aaagggaagt   240
gagggaggga agataaagaa aaggaattaa gttgatcaag tggaattctt tttttttttt   300
taattcttgg gaactatgaa gtctttgcaa gcacagctcg tttctgcaga ttattttcca   360
aacgtgtaca aaatggaacc aaaacggaga atcccttaag aacctgaaga ggcgcaacat   420
taaaagctac gattatccag tagcaagtgt tccagccttc agttgccagc cgcttcctcc   480
tcttattccc aagattagcg ggatgaaaac gtcttccccg tgattgtttt catttctttt   540
ttctcggcat ctgggcgtgc gcggttcagc accttgagga agtcagacgt tttcgcccgc   600
atcgtgtgtg aatataggcc ttagagcact tgatgtggta gtgcaggtag tcccggaacg   660
tgtggatcag gttgatggtg tttgtctcga gcncncnnnn tnnntnntnn nntnnnnntn   720
nnncnnntnn nctcnntnnn ntnnnncnct tncctnnctc tnnctcnnct cnctnctnnn   780
tctnncnncn nntnntttct nnnnnntttn ntnnnctctn nnnnnncncn ntntcnnnnn   840
nnnnnttnnn nnccttttnn nnctnnnnnn ncnctcnncc t                       881
```

<210> 4210
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 4210
```
ggnnnnnnnt nnnttttaag atcagctatt gttctttttg caggatccca tcgattcgaa    60
ttcggcacga gatcacatct ctcaagtttt aaaatgggtt tttttgttgt tgttgatggg   120
ggggagaggg tccagcagct tttaaatgtt ttcacatcgt gtgttccaaa aataactggt   180
tagcctaagt cacttccacc ctccaatgtt gtgaatgcag tctctagcat tcgctattta   240
atgtcttctt cctgcactat ttgagaaatc gcgaggtcga cttaataccg cagtcgccac   300
ttcncggacc ggagggcgga gtctgcttag ttctgaggac tgcgtgggtc cgcgcagaga   360
gctcctgcta ggcctgcgcg tcccgttcta aattcttacc ctttagttct tgtcaccacc   420
cccgccgtgg gaacggcctg acagtcactc gtcaaggaa gtggctgccg gcagctcttg   480
acccggaatc ggatcctagt cccacccccct ncgnccaggc tttcttctgc aacaggcgtg   540
ggtcacgctc tcgctcggtc tttctgccgc catcttggtt ccccgttccc ttgcacaaaa   600
tgcccggnga aaccacagaa acccgtccct gctacagagc angagttgcc gancccagc   660
tgagacaggg tctggacaaa atctgacant gatgaatcnt cccagagctt gaagaacagg   720
atttcacccca gcaccacaca acaagcccag ctggcggcag cagcttgaaa tcnatgaaga   780
ccatc                                                               785
```

<210> 4211
<211> 839
<212> DNA
<213> Homo sapiens

<220>

<210> misc_feature
<222> (1)...(839)
<223> n = A,T,C or G

<400> 4211

```
tngnctnnnt tgttanatct ngnntttcta atncttggcn atcgnantnt ntgcaggacc    60
catcgattcg aattcggcac gagccgacta cttgtgcagt ttgccctgct gagccctcct   120
cgccccggga ggcagaaggg gaggggtcct cagcaatatg ctgagcacct cctaaacaac   180
atcacctgaa aaangaacct agangaganc cattctcaaa tctgatcctg gactgagctc   240
gagagctggg ttgagagctg ggttgatcaa agttgggatt ttgctattat tgtgacaaag   300
ggtccagcct tgcagtccan atcctgaaag gcctgggaca aggccaggta atttggggag   360
tccntcctgc atttgtgcag gatgttcagc ggcatccctg gccacccact atgatgcccg   420
cagcaaaccc ctcagttggg acatttaaaa atgtctccag acnttaccaa atgggacagc·  480
attgnaccca tttganaagc accggttgag agcaaatnca caaatntnta aaatgggaga   540
tttgggccgt ggnggngcaa gcctgtagtc caatntcntn ggaggccaag gctgggagga   600
tcntttnatc cccaggaggt anctttccgg nngggcgaat aactgcacca ntgaactncc   660
atattgaatt gaacagaanc ccangacnct ttnttttttt aaaaaaaaat atntntntaa   720
naaaanaaaa cttngnnncn ttnttaaaaa nttttatngg gangtnggtn ttaccgttga   780
anccccncn ttgaaaaana aancatttgg tttaagnttt gggccnaaac ccacancnt     839
```

<210> 4212
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 4212

```
ggnnnnnngg nnnnttcnat nnnagctctn gttctttttg caggatccca tcgattcgaa    60
ttcggcacga gagtttaaaa atacttcttt gtaaaagtta ttgcacaaag aaaagacatg   120
aatgtgtccc tgttatgtac tcacaaggat aatgatgggg ttgttgctca ttaatactgt   180
ttcttgtgca ataactttta caaagaagta tttttaaact gatcattaat tttatgacca   240
cagaaatgag atgcaaaatt tatgctattg tcagtggcac aggctcacag caccactgac   300
attttgtgtg attgtaatag aatggctgcc aactaatgat tctgtagaca tttcatttga   360
gtgtgctttt ctttagatgt gtgattagct gtaatgcttt cacttatgtc tgtaaattat   420
attggatatg tttacctgat gcctattgtt gatttggagt tcagttttgt attacataaa   480
tgcaagttga actttttttt tttaatttat agaagtcttt gcaggtataa ctacaaatac   540
tcagcccctg gggaggaaaa atgctttgca ctactcaaca gtaacccctg cgttcagtta   600
aaactcctta taagacagca gctttttactc tttattgggt cgaaaaaaaa aatangggg   660
aggaaaangg gatggaccat cctgggacaa tggtaagaat gaagaanacc atcttggaaa   720
aatgaggngt ccttcccta atgcaaggtt aaaaaggggc tnntccttna tatatagcaa   780
tatagaatct ttgg                                                     794
```

<210> 4213
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 4213

```
nnttaaganc agctcttgtt ctttttgcag gatcccatcg attcgaattc ggcacgagca      60
gagaggcagg gataccagat atggggaaat ctgtaattac atgcaggcat taaatattta     120
aatatatatt ttcttctttt aattgtggta aaacacatat aacataaaat ttatcgtctt     180
aaccattttt aagtgtactg ttttgtagtg ctgagtgtat tacattatta tacaaccaat     240
ttccagcacc ttttcatctt gcaaaactaa aactctttac ctattaaaca actactccct     300
gtttctccct cctcccagtc catgagaagc accattttac tatcttttct gtgagtttga     360
ctctacaaac ctcatgtaag tggaattatg caatatgttg acaaaccaaa ttctgtacaa     420
tatttaaaga ggtttagtct gagccaaata tgagcaacca tggcctagga cacagtctca     480
agaggtcctg agaatatgtg atgtgcctta ggtagtcagg tcacagcttg gttttgtcat     540
tttagggaga cagaagttac agacaaagac atacatcaat acccgtaagg cacatgttgg     600
ttaagcctgt ggaaagatag gacatcttga aaccaggcca tcacatgtca cangtggatt     660
caaagatttc tgattgggtg aaaatctttg gttgggtgna agaagttaag ctttgnctaa     720
aggcttggaa gtcanggaga aacaattgct ttgagttaaa ggtaangggg gtgng         775
```

<210> 4214
<211> 797
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(797)
<223> n = A,T,C or G

<400> 4214

```
tnnnntttcn aatactngct atttgaactt tatgcaggat cccatcgatt cgcaaaccgg      60
anatgggttn tttttcgngg gggngggang gaacanattt gcattaacaa ctactgngaa     120
ttntccatnc aangataatc tcncatgtcn aanancccnt ttnttaaatn nngaatgggg     180
ttgggcttat cagaatannt ntttattaga ggcttttttn caaanntcac nggttncacc     240
tgnaancccc cataatnntn tttttaancn gctgntctan ggatgagccc canttanttn     300
ntgcaagnng gganancann nntgtgtnan tncanatnnt ntgctngaac cngnncactn     360
nttcataact agctngancc catttcccgt gnacttcggn cgntnnannt tnttangccg     420
gccnnaacca atgantaggt gaaaaggacc cncatgtnac ccccaangna tanaccccat     480
atttccatga antannacct tnttctgtng ggatgcccca tcttagaanc tntgggncat     540
gnngagngna agccctgagc atttntntna acatgcctac ttactncncn aanttgcnag     600
ggantgtgnc ngtgccantc catgaatggg gtanggcgca gatccncgca aacagcccan     660
ttgntaccca tgagatatgg aatnttcctn nctatggcaa antaatggcc natttncaaa     720
nttgnggaca aantgaaagg acttgtgttg ctnggcnnna aaanagggng gggggtgggg     780
nattttttaan aatcctt                                                     797
```

<210> 4215
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(846)
<223> n = A,T,C or G

<400> 4215

```
ggnnnnnnng nnnngttcna atgcttggca atcgntntnt ngggncncn tcgagacgct      60
ggctcctta tcagatatta ctggatcatc acctgtgnag gctntntgtt taatgatnnn     120
nancatttga atggcaacag ntgcgnatgn atcctgccta naancacncn tactcgntan     180
nnannttggt gtgtgcntgc ntctantnnn cnanatcctg tgcacacatc ggaatttnan     240
```

```
tagaancagt acagnnnctt angcagnata aaccatcctg nggnnanana tgacacnctg    300
cnngacntat tnnnnncnca nnntnatggt gntgggcncn gnaaaggnct tgaaacangt    360
cgtatgnncn tnacanggca ccgngctaat atgctactgt gtnaacncag gnnatgagct    420
gcagcnttgc ctnnctacn antgctcact gggtgtgaag gacctgcttg tgaggttnnt     480
gttngccttt tnctggactn annntaancc nntacnaang ccngcattgt tcattaccan    540
tngccttntg aantntnana gnagatgnca ttgggacnaa tnggacagtn taaanganna    600
ccgcttngat ggagnggacn ngaatcgttt cttacntcan ggggccactt tattaanatg    660
ggngaacttn ncacntnnng ctcctangcn cttccaaggt naccttnggg nnccnntggg    720
gaatttaaac aantncacaa nggtggtctg aaaatcttcn nngggactt aattnaaaga     780
aattnattcg gggttttccn gggggttcac ccangangtn ttnaactttc ncannccnna    840
nnttnt                                                             846
```

        <210> 4216
        <211> 860
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(860)
        <223> n = A,T,C or G

        <400> 4216
```
gngnnnnnnn tttgnaacnt tgctaatgct ggctactcgt tctttntgca ggcatcccat     60
cgattcgaat ttcggcacga ggttgtacca ataaagtttg caacctacag caatagccag    120
tcaataaagg aaatgatgct gatgtagcat ttatgagcct taaaaaacaa acaaaaaacc    180
ttaagatgtt aaatttattc caaggattct tttttttttgt tgtacatgaa tgttcatatc    240
aggtttattt gtaatagcca aaacagtata cacctgaatg cccaccaaca agtgactaga    300
taagcaaagt acggtacatg gatatgatgg actacctcag agcaataaaa aagaatggac    360
tattgataca tgctacaaca tggatgattc tcaaaggaat gacgttgagt tcagaaagca    420
agacaaaaaa gtacattcta tatgattcca ttaatataaa ggaatatatt atattcaagg    480
aatagtatat aaatataaag gaatatttta tattcaagga atataaatga atataaatga    540
tataaagcag atcagtgatt gccaggagat gaggtggaga agtagagagg ggaggaaaga    600
agggattact aaaggacatg aagaaacttt tggggataat gtttatgttc actattttga    660
ttgggctgat ggttttacat atgtatacat atatcaaaat gtatcaatct ttatactatt    720
aaatatgtgc agtttggttg taagtcaatt atacctcaat gaaacctcat taaaaattac    780
catatttтgg gggatctaaa aaaaaaagnc ttntagaact tanntgagtc gtnttccgtn    840
gattccagac attgataant                                              860
```

        <210> 4217
        <211> 714
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(714)
        <223> n = A,T,C or G

        <400> 4217
```
gnnnnnttgn tcnaaagccn ggnnaaggaa ctcttgnaac ncccnnngca ggatcccatc     60
gattcggttt tgccccttt tagcctccca gagcttcgag gactcaattt taacccgaaa     120
tcctgccgng ggggagggggt tgcgtcgaga cctgggcccg gggaggttct cctgcgtcac    180
tttctgtcct gaaaggcgcc cttcctggtt tctgtggctc caattttcta tgcagcccca    240
caccccttgt tgttttgatc ctgagaaata aaagggaggc tgaattattc aaatttaaat    300
gaggtttccc cttcatggaa gtgctgctga cccttcgtgc agaaatgggg agcacttgag    360
```

```
gacacaggtg ggtggaggcc ctttgtgcgt ggctggtcgt attcgggcag ccctccgtcg    420
ctttttataa aactttgngt gagaagaata tattgataat gtcagtgaaa caagcagaca    480
ttgaaatgga ggcacagatt actccacaag gagttcttct gtatattttt tctagatgca    540
aatccnttta atatgnaatt aatgtaagnt ttctagctta tatcgaactg ggngnggcac    600
gggggacact gtactggata agntgggcan acatcctgag nncgaatgcc tgaccacgga    660
aaatatanaa tttattgctt taaaaaaaaa aaccacctna cangggcgna cnac          714
```

```
        <210> 4218
        <211> 849
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(849)
        <223> n = A,T,C or G

        <400> 4218
gnnnnnnnnt ttnnaacttg caatcgctgg ctactngttc tttttgcagg atcccatcga     60
ttcgaattcg gcacgagaaa ggctagctat attagctggg gttcccccca aaagcaacat    120
tggagaagga ctcatgggca gatactttct tctggaaaat gatcccgtag gatatgggta    180
gaaaagaaa ttgggaccag aaagaatgaa acaggaaaga aagaaagcct attgaaggat     240
ataaaatttc tgtaaacaac tggagcttag tcccactgag gcccctgag gaactgcgca     300
gaatgtaaga cagaggagga aatatttagc caccagttcc tatctcccat tggccaactt    360
gatgctgagt tcaggagtgg tggctcacac ctgtaatctc agcatttgg gaggccaagg     420
tgggtggatc gcttgagcct cagagttcaa ggccagccta agcaacatag caagacccca    480
tctctacaaa agaaaaattt aaaaattggc tatggaagta tgaaggtata tgcctgtagt    540
tccagttact caagaggctg aagcaggagg attgcatgaa cccctgaact caagactgca    600
gtgaactata actgaacgat ggcactgcag cctgagcaac agagcaaaac tcttgtctca    660
aaaaaaaaaa aaaaaaactc gaggcctcta gaactatagt gagtcgtatt acgtagatcc    720
agacatgata agatccattg atgagtttgg acaaaccaca actngaatgc agtgaaaaaa    780
atgctttatt tgngaaattt gnggatgcta ttgctttatt tngtaancnt ttttaagctg    840
caattaaac                                                             849
```

```
        <210> 4219
        <211> 794
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(794)
        <223> n = A,T,C or G

        <400> 4219
gnnnnnntnn naaancagct ctngtttnna aaanantgct acttgttctt tttgcaggat     60
cccatcgatt cgaattcggc acgagaacaa ctccctacgt cctgtgtggg gccctgccca    120
agtggatgag gcattccttg aggagtatca ttttccctga caatccccat cacctttagg    180
ggttccctgc ttggctcctt tccagctgaa aaactagacc tgtgccattg gggaagctgg    240
acaaagtcta gggggcccgc ctggtagagg gtcccgggaa gctggatctg tcagcctcgg    300
ccctgaggcc cctgttaact caagactgtg agctgcctct aggtggtcac gtctgggagc    360
tagcttgtat ggcttctgac cagtatcagg atttctgttc tgagagcagc gtgggcagcc    420
tctagaacta tagtgagtcg tattacgtag atccagacat gataagatac attgatgagt    480
ttggacaaac cacaactaga atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg    540
ctattgcttt atttgtaacc attataagct gcaataaaca agttaacaac aacaattgca    600
ttcattttat gtttcaggtt caggggagg tgtgggangg tttttttaatt cgcgggccgc    660
```

```
ggcgccaatg cattgggccc ggtacccaac ttttgttncc nttaatgagg ggttaattgc      720
ccccttgggg gaaaanatgg gcatagnttg tttccttggg ggaaaatggt attcccttca      780
cnaattccac acac                                                         794
```

```
        <210> 4220
        <211> 825
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(825)
        <223> n = A,T,C or G

        <400> 4220
atanagctat tgttctttt gcaggatccc atcgattcgc gccctgcat gatggcagcc       60
gcactcctgc ccagagtggg gcctgggacc ccaacaaccc caacacgccg tcacggtcaa      120
cccacaatac aacccgcaga cgccagggac gccggccatg tacaacacag accagttctc      180
tccctatgct gcccctccc cacaaggttc ctaccagccc agccccagcc cccagagcta      240
ccaccaggtg gcgccaagcc cagcaggcta ccagaatacc cactccccag ccagctacca      300
ccctacaccg tcgcccatgg cctatcaggc tagccccagc ccgagccccg ttggctacag      360
tcctatgaca cctggagctc cctccctgg tggctacaac ccacacacgc caggctcagg      420
catcgagcan aactccagcg actgggtaac cactgacntt caggggaagg ngcgggacac      480
ntacctgnat acacaggggg gngggacaaa acaggtgtta tccnnnagtt gncacnggta      540
cngtgggggc ccaagngtgg gnggnntgaa acagntnttt ttttttnttt gnttnccccc      600
ttaaaattgg ganaananna ccctttncc caaaaatggg nganaacccc aaaantnggg      660
caaaaaactt ggggatttgg gggaaaaccc ttaaanggg caagggggga gcnttttntg      720
aaaccccaaa nggnggggnt ntttaccctg gatttaancg ggggaaatna agggangggc      780
tttcctttgg ggaaagggan aaaattttgn gcccaaaaac cttgt                      825
```

```
        <210> 4221
        <211> 819
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(819)
        <223> n = A,T,C or G

        <400> 4221
cgnnnnnttg ttgaaanagc naggctactn gttctttttg caggatccca tcgattcgtt       60
ttcttgcagt tactatgctg tccttcctat cactacctgt tggctgaggt agtgataggc      120
ctaaatgatt cattatctta aatgtactaa atatgttgag taattttttc ttctaaacta      180
acagaaagag agaacctagg agttactccc ttaggctggt taaagtgaaa ggtagccaag      240
tcaacccagc ttgtttcctt ctctcattag gaaagaacta ttgttcattc tcataacaca      300
cttttccaa ttgcaaacat actcagggtt aaaatagttt agcacaaatt gcagcccatt      360
tcatttgttc ttcacaagct ggaactttc ttgtaagcta aatattaaat ggttcaagta      420
aattggatac ataagcctga aactaggcgt ttctcattat acatagagta taaattaaga      480
cagactttt catggtgaaa ggtttacagc ctttaaaaca tctgggaaga agtgggaaag      540
tagggaataa ctctgttaaa tatgataaaa gacaaagcac caacaaaggc ctagttctaa      600
acttgttata atttctcatg gggaagtttg ngggttgtca caaggttatg ggcggtccca      660
agcaagttta ccaatatttt tttagaaata atnacctccc cagaaaatat ttttnaaaaa      720
taagggaccc tttcntttta atatggnaaa ananaanaan ananaannnn nnntnnnnnn      780
nnnnnnnnnn nnntnnnnnn nnnntnnttt ctnnnnnct                             819
```

```
        <210> 4222
        <211> 766
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(766)
        <223> n = A,T,C or G

        <400> 4222
naataccagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg cacgagaagg    60
ccttaggctt ttttttttgta gggtgagagt gggggagaga tctcttgctc tgttgcccag   120
gctggtctcc agctcctggc ctccggcagt cctcccacct cagcctccca gagtactagg   180
attatgggca tgagccacca cacctagcca ggcttttttat attgagttgg ttatatatgc   240
ttcatagcca cactttataa tattggagta tagtattaaa ttacagcttg ttgtcaagtc   300
agtgtttctg taagacagta tatccaatat tggttagagt aacacctatt tggtgataca   360
gatcaacagg gtgtctctga ttaatttagc tcctacatag ccagaagcaa gttcattatg   420
atttagaata ttgtacatgg ttatgcagga atcatcccaa cctatctgtg tttataggtc   480
agatgatgtt cagtttatat ctgctgatag tgtatatgca ggaaaaccta taaaaccact   540
tcagacttgt taaaacagtg agaaagccgt gattgaaata ttaatacaac ccgtgtggta   600
taaatttcat ttacantggg aatgtaaatg ctgtcatttg aatcttgnca aagcctgcta   660
ctaaaactct taaaanccttt gctagggaa taagtctttta ntnccaaaaa caatatanan   720
ggggatgtgn gtggataata caaggacaac catatgttgg tggcnt              766
```

```
        <210> 4223
        <211> 873
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(873)
        <223> n = A,T,C or G

        <400> 4223
gnagnntnnn nntttgnaac nctggctact ngttcttttt gcaggatccc atcgattcgn    60
attntgaaca agctgtntcg tgtgtacagt tgctgctgtn attgagccag cagtgccctg   120
ncctgccctg canngtctgc acagctccca ctgcttctat nngntgttgg gcncgtgagg   180
catgacttgg anggggggcct ggtgcctgag gacctgctga agagaatgct caccaccagc   240
tctntgntnc cctttctgct ttggnaatca acacgtgtnt gcctgcagtg gccgngaccg   300
tgactgtttc tgcccttgtg cctagttaan agccttcaaa agcataatga acactttnga   360
tatgatattg gaactttagt aaatgcttta cttccctcta attgcccnca aatgccttaa   420
tnttgtggac tgtttattttc aacaggtgga agtgttggtc ntgcgaaatc ttggtnttcg   480
catttcaaga agggagtgct ttattanttc ttctttctat ggaacgtttc aagtgattgg   540
atntaaagaa gggctctgaa gcaggagttn ncacctgctc tgagggaact tggggctcca   600
gggacgtacc ccaaatgtgc gcccagnttt gaaactccct gacagcctgn tactacntag   660
tgggctcgag ggtttncann atgaagaaga gttgtncccc taaaagtggt tgaaaccctg   720
tggctttcaa agcaaaggta cccnttgtcc cancattntt nncgnnaggt aggggnctca   780
ttggaaaacn tgtnggggcaa ncctgntggt ttttggtccc ccctgntngt nacaatnggg   840
accttntttt gaacngtnng gaangggcta nnt                          873
```

```
        <210> 4224
        <211> 776
        <212> DNA
        <213> Homo sapiens
```

1342

```
<220>
<221> misc_feature
<222> (1)...(776)
<223> n = A,T,C or G

<400> 4224
caaancagct ttcngacccc ttcggaccca tcgattcgtt gctctatgtg atgtttatta      60
tcaaatacat ataattttga agattttaat gaatgnntta agattttatc tttgtgtaga     120
atgtggctaa agaaacctta gttgagattc aagaagttgg tgtctgtttc tgattcttat     180
cacaacttgc tacttagtgt ctaccaagtc ctccacctct ttgctcctca aagagctgtg     240
aaaaatgatg gcaggagccg gtacaacacc acagacttag agaagggcac agtgctgctt     300
tattgaatga tctaccaagg taaaattttg ccgggtcaag aaatagcaat ttaatccatt     360
taaaggaatg aatataattt gaaacattaa cttatttcaa gactaacatc tcaaagtgtt     420
gagacctttt ttaaaagagc tttctggatt ttgagcatac tttcactggc tgtgatttat     480
aagaatttgt ggtttgngga gtactgccta aatgccaggg taaaataagg cagncccatg     540
ccttacctgc cctgggctca nggcctcaca tcctttggt acgcacatct tttctcttct      600
cccttgntct gctctcccgc agcatatacc tcctagcccc cagagcaaan nnnnanaaaa     660
nnannngnnn cnnnnannnn ttnnnnnccn annnnnnnnn nngannnnnn naaaaacnnn     720
ngcctttnaa ananatnggg gggncnnntt nccgnnaacc cccacnnngt nanaan         776

<210> 4225
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(869)
<223> n = A,T,C or G

<400> 4225
gagtnnnnnt tttgnaacct tgctaatgct ggctactcgn tctntctgca ggatcccatc      60
gattcgaatt cggcacgaga gcagattcag tgtcgatgag agcctgcttc ctgcttcata     120
gatgatagaa gtgcaaagcc agctgtctgg gcctttttta tgatactgat cccattcatg     180
aatgctctgc cctcatgatc atttcaattc ccaaaggccc cacctcctaa tattatcaca     240
gtgataattg ggttttcaac acatgaattt gagagaaaca cattcagttc ctagcattag     300
cttgcttata tttatttcat ctcattctct ctcatagctt ttatttttgt ttcccctgtc     360
caatttatta tagttttttg tcttttttata acttttaacc atcttttaaa tttctcttat     420
ttatttctct ttttactgtt gagttacaac tctcggctta ttcagtggca aagcaggaag     480
agatggcact gaggcatctt gatcctgaag gatcttttaa ttcctcttag cagtcttaac     540
attttttcca tcagcccctg ctatagtttg aatgtttgtg ttctctttaa aatccatgtt     600
gaaacttgat ctccaatatg acagtggtaa gaggtagggc cttatatttg agagcactac     660
agggtgagta cactcaataa taatgnattg gatatttaaa ataactaaaa ttgtataatt     720
ggaaatggtc cctaacccca aaggaaatgg ataaatgctt ggggggttgat ggataccccc     780
aattaccct tatggngant catttacata ttnaaatgnc ttggatcaaa accattcacc     840
ancattcccc accattaaat gntntnnncn                                      869

<210> 4226
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G
```

<400> 4226

```
tnaaaataca ggctacttgt tcttttttgca gggatcccat cgattcgaat tcggcacgag    60
agggacaagg ctataaatat cattaatacc aggttcagga gtttgcactg cactaaaaat   120
caactcagct atttgagcac ctttttataga gtggaaatgg ggttgggcag tagagaagag   180
cacttttaga gaggcttttc tgcagtagtc aggggttaca cctgttaacc agccataatt   240
ttttttttaa gcggctgtgc tgaggatgag ccccatgtag ttggtgcagg tggggacaca   300
ctgcctgtgt aactagaaaa actaggcatg gccgggcacg gtggctcaca cctgtaatcc   360
cagcactttg ggaggtcaag gggggaggaa cacttgaggc cagagacaat ataatatata   420
atataatata ttgaccagcc tggacaatat aataagagcc tctctgtaca atttaaaaac   480
taaaagcctg gggtggtggc acatacctgt agtcctggct acttgggagg ctgtggcagg   540
tggattgctt gaacctagga gttcaatgct gtagtgagct aggatcgtgc cactgcattc   600
cacctgggtt ggagtaagac cctgtacaca cacacacaca cacaaaacaa tgcacaatgt   660
gcatcaaaag ggaagcgaat aggctctgta gtaggtggca aaaggtggtg gtctgggaaa   720
caaggccacc tgtggtgtgg ggtgggaaaa tgtttaaacc ctt                     763
```

<210> 4227
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(865)
<223> n = A,T,C or G

<400> 4227

```
gnnnnnnnnn tttnnaactt ttcaaatatc ngctacttgt tcttttttgca ggatcccatc    60
gattcgaatt cggcacgagg gccgctgctt cttttcccgag cttggaactt cgttatccgc   120
gatgcgtttc ctggcagcta cattcctgct cctggcgctc agcaccgctg cccatggcat   180
cctgatgggc gtcccagttc cctttcccat tcctgagcct gatggttgta agagtggaat   240
taactgccct atccaaaaag acaagaccta tagctacctg aataaactac cagtgaaaag   300
cgaatatccc tctataaaac tggtggtgga gtggcaactt caggatgaca aaaaccaaag   360
tctcttctgc tgggaaatcc cagtacagat cgtttctcat ctctaagtgc ctcattgagt   420
tcggtgcatc tggccaatga gtctgctgag actcttgaca gcacctccag ctctgctgct   480
tcaacaacag tgacttgctc tccaatggta tccagtgatt cgttgaagag gaggtgctct   540
gtagcagaaa ctgagctccg ggtggctggt tctcagtggt tgtctcatgt ctcttttttct   600
gtcttaggtg gtttcattaa atgcagcact tggttagcag atgtttaatt ttttttttaac   660
aacattaact tgtggcctct ttctacacct ggaaatttac tcttggaata aataaaaact   720
cgtttgnctt ggcttctgca aaaaaaaaaa annnnnnnnn nnnnnnnnnn nnnnnnnana   780
aaaaaaaact nngagcccctn tanaactntt ngggggggccg nntttacctt anaatcccgn   840
accttggatt angnatnccn tttnt                                          865
```

<210> 4228
<211> 1228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1228)
<223> n = A,T,C or G

<400> 4228

```
ggccngtncc ccttattgga acctttctaa tgctggtnta ntccangtac cnntcgtacc    60
cacgattcga attnggcacg aggctccacc cagttctccc agttcntnat ggacgactcg   120
ctactgctgg cctngggggt gttcctgggg ccgcacaact cctnatccgg cgagattgct   180
```

1344

```
gtcatcagcc tanactcctt cgcgctgctg tcccgcntgc ggaacaagnc ctatgacgng    240
tttggctgtt ggctcacccn ngaccagcct catcttnngg aacctgcacc gnattgnana    300
tatnacctnc tgctntgtgc tgnngcttaa cnttgnctan aacnatgtgg agtnngagaa    360
cgtcaacgng gtgaagcngg ctgnttaaga tccanaacct caatgncngc nncgtccgca    420
cggtgatggt ggcccgnctg canccgnttc nacagtcctg anttaaaaca gttnngccta    480
ccnnncaaan ancnatncat antctnatn tctnttnttt ncttcnaann tnncatctcn    540
ntacttanaa tttcncttnc naancntttt cntnntttnn tnntancntn ttctnnctcc    600
tcccnnntct ctatcntgan nttcanntan tcttnnnnta ctacattctt canttcatan    660
tcnctcanan ttnnnctcnt annntncatt atccttncta ncnnanactc ttatcaccnt    720
cgcanacanc tantnncntn tcacncnatc ttctaatana catncctcct ctcgcncatc    780
tctnacnctg taacntctat atntnnttcn ctgcatnctn aataatatat ntacactcan    840
nacaananna canacaccnc tcatnttcat acttntnaan nctccnctcc tcatntnttc    900
tcgtcttnta catactcaac tactctatat ancgtngacn cnggnnatct ctncgaannt    960
tctcnctcac ttnagtcacn attntatcac tntcacttca tntcncgtct ccntctaaca   1020
nnnccattac cntcantngt gntnttnnct cnctcactcn ctntacatca tnnactnntc   1080
tantcatgct nanatatang tcncttcana tacnncgnta ncccngnnat nttntctcan   1140
aaccacnnct ctatntttat tttcgtacac tgcaatcnca taatcttcgg catcnttcca   1200
tccgncatct ncnnnnnata tcanntnt                                      1228
```

         <210> 4229
         <211> 920
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(920)
         <223> n = A,T,C or G

         <400> 4229

```
gngnnnnnnt ttgnaacttg ctaatgctgg ctactngttc tttttgcagg acccatcgat     60
tcgccaacat ggtggtctca aactccccac ctcaggtaat ccacctgcct cagcctccaa    120
aagttctggg attgcaggag taagccacca cacccgtcct cagtgcctgg acttctgcag    180
tggacttcct ttaaaaatcc tggaatatac actgcagtag aagaacaaag catacttcag    240
tcgtttaagg ctgaggtatg ctttgttctt ttactgcagt gtatattcca gccttaaacg    300
actgaagaag aatgtcaagt ggggaagtgg ctttggtttt cagtttgtgg gttctgaatc    360
cacacaaaga caggattgct ttctgaaaac ctgaattaat tattgtcctt acctcaataa   -420
gacaaaaaat tagaatcaaa atcgttagta ttacagtcac agatatcacc aagattagtt    480
tgttgttata gccatatcct ggaacttctt tcgtgagcta aaaaaaanaa nanaaaaaaa    540
nctngagcct ntagaactat agtgagtccg tattacgtag atccagacat gatnngnatn    600
cattgatgaa ntttggacaa acccncaact tngaaatgca tttgnaaaaa aaatgcttaa    660
tttgnngaaa atttnnggga anccntatng gctttcantt tngnnanccn nttntnnntn    720
cnnggccttt anaccnangn ttanctacca accnaattng nnattnnatt ttnnantggt    780
ntnnaagggt ttnaangggg ggnnaangnt tnggnaaggn tttttntnaa nttnnnncgg    840
gccnnnnntn ccnaantnca nttnggncnc cnngccnccc anantttttn gnnccnnttn    900
tatngagngg gtnaanncct                                                920
```

         <210> 4230
         <211> 810
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (1)...(810)
         <223> n = A,T,C or G

<400> 4230

```
gnnnnnttta annnnnnnnn ttttnaanat acaggctctt gttctttttg cagggatccc      60
atcgattcga attcggcacg aggtgattcc tatttcaata tgtgaaacac ttaaccaaag     120
aatatatttc gatgaatctt aaacttgcct taaaaacaga agaggttaaa aagaatttag     180
aaaaaataaa gttttagagt gtttgagaat gtgtatataa aatattttca aagccataat     240
atggatgctc ttatggctca gaagcatgcc tactagaaca cgtctcggaa tgagagatgt     300
ttaattctgt cacctcccag aaagttttgc agggtttctc acttgaattt gcttcccttt     360
gcaacctctt gtcctgaagg cccccttccc acctggaaat gctgaggcat gggtgtgata     420
agaatcagtc attttgaaga gaataagatg atgactttat taacatttcc atatatgctg     480
attgtgtgtg tggcggggtg ggggctgggg tggaggctta aggcaaaagc tagaattagt     540
catatgaatt atgggcttgt ttggagaccc acctgaggct canccctagc cctcacccac     600
ctggggagtt tactacctgg gggcccccct tgnccatgcc tccacttcca aaacaattca     660
attgcttttt ttttgggtnc caaaataaaa ccctcagcnt agcttcttgc cnannnnaaa     720
annnnnnnnn nnnnnaaaac tcganccctn taaaaactat aagtgaggtc ggttttaccg     780
tagatnccna accttgataa gaaaacattg                                       810
```

<210> 4231
<211> 810
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(810)
<223> n = A,T,C or G

<400> 4231

```
gnnnnntttt caaatacngg gcctcgtgct tttgcaggat cccatcgatt cgaattcggc      60
acgagagtca ttacaagtta ggatcctggg taaatggcaa cctccacctc ccaggttcaa     120
gcagttctcc tgcctcagtc ccccacatag ctgggactac aggggcacac cagctaattt     180
ttgtattttc agtagagttg gggtttttacc atgttgacca agctggtctc aaactcctgg     240
cctcaagtga tccgcccacc ttgacctctc aaagtgctgg gattacaggc atgagccatc     300
acgcccggcc acgctgttgg ttcttaatga cacagcttaa ctttattgtg aaaagattgc     360
agcaacaaat gagattttac ctgtatttgt taaaaatgct tatccttgtc taagactggc     420
aacataagca gttcttaggc ttctatgcca atggacacta ggcagtaata catgtgcagt     480
gctaatagaa aatattggag taagggtgta ctaaggaagt tctcaatctt tccccttcac     540
tatcttctgt aatgtaactt caataaatgt gattctcatc ttggcacaaa attgggaaaa     600
aaaaaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntcnggcct ntaaaacttt     660
aggggggtcn tttttccntn nacccnncnc cttganaang aanccnttng gnnggngntt     720
ngggcccanc ccccaacntg gaatngnnng ngaaaaaaaa aggntttttt tnggnaaaat     780
tnggggnngg ctttngnntt tttttttnnan                                      810
```

<210> 4232
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(794)
<223> n = A,T,C or G

<400> 4232

```
caaatcnnag ctactngttc tttttgcagg atcccatcga ttcgaattcg gcacgaggtc      60
atgcccggct aattttttgta tttttgtaga tacagggttt naccatgttg gccaggctgg     120
tcttgaactc ctgacctcag gtgatcaccc gcctcggcct cccaaagtgc tgggattaca     180
```

1346

```
ggcgtgagcc actgtgacgg gccttacatg caattttat ttatagccag tattagagaa      240
ttactaggaa atttcatttt tatatttagt gggagaaagc catctacagc atgtcttcaa      300
gcatggacta tctgtaacat acagtgtgct tgcttttgaa ttgnttgant gttaaatggc      360
cgtaactgat tgnattttcg ttaattgtta atanataaac cagatgttct gaaatctgtt      420
cttaaagcag ntgccctcaa tggtgntttt gcctncctgc ttctgagcct cttgggntta      480
ctggagagta caggtcataa agagacctga actcttgttg tatcaaccat tatgtcatcc      540
tctnactgcc aacattttna aacagactga ggtntgcctt cgtaanaaa catntactta       600
catattgcca ttccttggnt tacctggggg aaagcccnaa tcgttnttag gacttnanan      660
ggaganacac aggtctnttg aaanggatgc cggggcctta atnaaataaa aaacttttgg      720
ntcaataana agtctggnat taaaaacaan attaattcaa catttntggn agaaggnacc      780
ttggggcngg gaat                                                        794
```

```
        <210> 4233
        <211> 927
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(927)
        <223> n = A,T,C or G

        <400> 4233
nntggggntt tcnnnncntg ggatactntc tctctgnagg ngncgatggg attcgaattc      60
ggcacgaggc ggagnaagag gggtngtngg ttggaaggag gaattctcct ttagggaaga      120
tgtctgggaa ggnctntctg agagagtggc ctttngaaag gagaccctaa ttggntgacg      180
gatgagaggc tgaaccatgt aagtatctgg ttggaaaaca ttcaagcgg ctncagangg       240
tntgtgcaaa ggccnttgga canggtcacc cnngnttaca tggccnccnt nagccagcct      300
nntaaagnaa agggtntcat naacaaattg cnnaaancct nnnnaggttn gncanaggag      360
ggagaggcnn tggaatgttt tgctngaata gggttagtag tgcccctnca tgattgacca      420
gttcccctc tcnanaatgt tncctnactg ncgcaggttt atgtagnggg ggnctgccnt        480
cccatanttn gncccctctn tancttggnc cntgggntgg gatgaangtn catccganna      540
cancttttta nagttgcccn nctgtctcna ttnacnnatn accccnncg aaactttgtc       . 600
tcccnancac cccaaggatt tcccttnggg tatcgncncc anaanaaagc aannngtngg      660
atcaaantaa tgggcnccca ncanttttg aattatncta cnctngaga ctccnttca        720
nttngcnttt taaaaancn ctttttntnn cgggntnggg tgcaantnnc tcttnaaatt       780
ctaaacnnat cttgnnnacc cncncctaaa cntggnnnng gnccctaan cttccnact        .. 840
tcaacaaaan ngtgaanttg catattatct tncattttgg ntctntaang acccnaatgc      900
nnggngntat nannncanan nncnncn                                          927
```

```
        <210> 4234
        <211> 809
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(809)
        <223> n = A,T,C or G

        <400> 4234
ggnnnnnnng nnngttnana cncccnnnnn ttttcaaatn ctaggctact cgttcttttt      60
gcagggatcc catcgattcg aattcggcac gaggtttagt cttgtagctg tatagcattc      120
cattgtataa cttataattt atttatgggt tgtactattg atgaacattt gagtagtctt      180
cagtttggaa ctaccacata tggtgctgtt atgaatactt ttgcacaggt atgtgaacac      240
atgtacacat tgcagttggt atatatacag tactgaatta ctggcttata aatatcatta      300
```

```
aattttaaaa acaaaattaa ttgccacaag catattattg tatctttgaa ttttaaacca     360
aattaaaaat tctatgagtt gttgaatatt ataattgtac tattaagttt aaattgtctg     420
tgactatagc tataagacga tgcccatggt actttgaatg gcaacactag caaaataata     480
ttctaaggaa gagggacang ttttggggga caactancan tgtctgtagc ataatataga     540
ctacaaattg attactatat cacccatgaa tttagctcag actcaaacac aaatttantt     600
tctttaaaaa atagaaagtc catttatntt taaatggggc ctgattttcn nanaaaaac     660
nnaaaannan aaaaanccgn ccctttaaaa ctataggggga gtncgttttn cttnaatcca     720
gaacttgata ananacattg ttgagtttng gccaaaccac aactagnatn gcantgaaaa     780
aaaatgcttt tttttgggaa atttgggat                                       809
```

```
        <210> 4235
        <211> 853
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(853)
        <223> n = A,T,C or G

        <400> 4235
agngtnnnnn ttttctaacg ntggntactc gntcttttg caggatccca tcgattcggc     60
acaattggta ttcaaaccca agtctgtttg actcccaaac ccatactttg aacctgaagt     120
ctgtactgct gaaagtttct ccttattgaa gaatttatat tttgcattaa tttatgtctt     180
cagaattata caaagtattg ggccacacca aatttgagtc tggtatagta gccttcttgt     240
aaaaaattat atcatataac attttatga ctgtgaagac ctcttaattc ttcaggaagg     300
agggcccttt ttcaaatcag acatcctggg gttttactg accttatttc attctctgaa     360
gaatgaagga atttcccact ttgtagtaag tcatggaatg tatagcattc cttctatagt     420
tgaaccagat aaatattagc aagtctgttt agaatatgac actggaagtt ttttcctgtc     480
ttttttttaaa agaggttttt ggaattatag tcaatctgaa acttggtctt actaataaag     540
aagtgaaacc taagtgagct cccttgctcc ctgatggctc ttggtataag tctcacttaa     600
gtttctctga cgattttcag ggttnatttt tgtgagtgac ccaaggaacg gtgtatttg     660
atttgaaaac tgaatggntg gaggtgtgta ttggaagcaa tagtctgaat cttttggggg     720
gtnatatact ccttttgaa gctgatgaaa gcttnggnaa acntcccana aaataaaccc     780
ttaatccngc ncatnaaang gaannttngc atttcnnntt tnngcngacc cngntnaata     840
tncaattntt nnn                                                        853
```

```
        <210> 4236
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G

        <400> 4236
nnnnntttta agancagctc ttgttctttt tgcaggatcc catcgattcg cttgctcatc     60
ctcatttggt aaactgctac gttaaatgtt tcaggtatgt ctgattgacc tgggctgctt     120
ccgagaaatt gatgagctaa taaaaaagga aaccaaaggc aaaggttctt tggaagtact     180
caatctgaaa gatttgaaga aggagatgag aaatttgaat gacacccatc agtctcttca     240
cctctaaaac actaaagtgt tttcgtttcc aacagcactg tttcatgtct gtggtctgcc     300
aaatacttgc tcaaactatt tgacattttc tatctttgtg ttaacagtgg acacagcaag     360
gctttcctac ataagtataa taatgtggga atgatttggt tttaattata aactggggtc     420
taaatcctaa agcaaaattg aaactccagg atgcaaaatc cagagtggca ttttgctact     480
```

```
ctgtctcatg ccttgatagc tttccaaaat gaaagttact tgaggcagct cttgtgggtg      540
aaaagttttt tgtacagtag agtaagatta ttaggggtat gtctatacga caaaaggggg      600
gtctttctaa aaaaagaaaa catgagcttc atttctactt aatggaactt gtggtctgag      660
ggtcattatn gnatcgtaat ataaagcttg gatgaatgtt cctgattatc ttgagaaacc      720
agatnttgaa aaattgnggt cgggccttaa ataatttcgn tggacatgct gncataactt      780
aaaatat                                                                787
```

```
        <210> 4237
        <211> 819
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(819)
        <223> n = A,T,C or G

        <400> 4237
nnncgnngtn ttnaacnncc agngntttag ccnagctatc gntctttatg cnggancccca      60
tcgttcnaat tccgcacgag aaancatcaa ggtggctgnt tgnnagcant gatgatgacg      120
aatctgattc tnangatgac agtaatacnt naaaattnaa ccncaanttn ngggcngagc      180
tggacaanaa ggttnntgaa nactnaanat anttagactt ncctnntgtn ctnatttttt      240
gacataggtc ctnaaatctg gntnaangca ggcgcccctt atcctacntt atntcatcng      300
gggntctant aggagagtga ganttntgtg atccnntntg attgggncan nngtagatgg      360
aggcggctca cataccaatg ttggaatnta agcagtgcgg ggaggtntac atnngcagtn      420
ctctccncaa gctaattcnn ggngcagggg cnatnatnca tggttnttgt ctgtctgtgg      480
aaacaatgna tttangcnnc ccnnctggca cnnctgacag atcttcggat gntgctcttg      540
tntctaaaaa ctgggtgtcn agangaacac tgatgtatgt anatgaaaaa aaatnctngc      600
ttagggganng nggaatcttg ctgaagngaa aaantnaaag ncctngantt tttttncaan      660
ggnntnttgc naaaataann ttaaacgaat tgtacnnaac acntgaaacc gtangntggt      720
ttttnanttt ttnggggngn tnaaannntt ttggtccaan nnnggcatgg nccttncccc      780
tttcntattt aaaaaaggnt tcggtancnc aaaangaat                            819
```

```
        <210> 4238
        <211> 1421
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1421)
        <223> n = A,T,C or G

        <400> 4238
gngngnaaca cngaanancg aaaccnanna aacggcncna anancnggna aanacangcn      60
ncggnccncg ncangaaccc nttgcaacnn ncctntangc agancccanc ganncgngtc      120
ngnaangccn gctgcntggg aggccagggg caggnntaat tcncntgana nnnagancag      180
gnngaanann nngccgggcn gggnagaagn nnaacggaca atgncacatt caaagcanga      240
nccacccana nagcgnagca nnggnngaag ccagggaang gacncnctgn canttggaaa      300
actngggaag ccngaaggan cgaggggccc tgccggnccn acaanagnag ctcantngaa      360
gggacgtnna cncaannggg acgcnagaac gcggccaanc aagatacgaa aggggaaann      420
ccggnacgag agcccngggn nacggcncnc ggaaanggct agaaaaaaga ataaaggggn      480
aanngatcgn aggnatngag ggccatnggg ancacaggcn caaaagnggc cancaaagan      540
cacagnggaa gngnccanag nactncgggn cgggagatca gggggngata aantgaataa      600
ccaaggccna nggacncgaa aaaaggngng nccaaaaang ggggnccnan aaggggggag      660
cnnccaaaga ggncaaaana aaatngccng agggggcnaga gaaaccnccc ncagaaggan      720
```

```
gggggncaan aaaatcnaac cnnnngggnn naaangnggg gggggggaaa gggacnntca     780
ccaaaggcnn canaaaaann ngaagggncn cccccnnca aaaangnaaa aangggaaaa     840
acccnatntc nagttcaggn naaaaagtng ggggaaaag gcccnaaaan aaattaaatt     900
naaggangaa anccnnngag annaacccc canggcaaat ngggccaaac atgggnncac     960
ncgggccnng ggggcatng ggccccaaa tnggnccccc ccnaccgggn aaaggggggc    1020
aaaaaaggan cggggngana aaaanggncn gcctcccata gggcaaccat ntgcacgggg    1080
gccnccncaa attnggggnag ggnaaanncn aantcgcnca ccaatgttaa ngggaaaagc    1140
aaccggcaaa agggccatnn ggaangangc cccngnaaac caaanagaca ncaggntagt    1200
gaaccttccn aangggaaat aagatnccgg naaaaggcaa ggncgnaaag aaagtngaaa    1260
nccgangnaa ccngangana aggcnnaana ngggaancna ttacannncn aanaagnagg    1320
caanggntgn ggaaagaaag atccaaagcc cnngggnngc agnatgccng gnaaaantgg    1380
gaagntanna ngancctgcc aaaggcttng gaaaaacnnc c                       1421
```

```
        <210> 4239
        <211> 864
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(864)
        <223> n = A,T,C or G

        <400> 4239
gnngtnnnnn ntttncaann tnggctactt gttctttttg caggatccca tcgattcgan     60
ntncnaggcc ggggncctgt cattntngat catnatcttn ngntatgaat nggaccttta    120
cagtcactga caggacaaca acaggctgga gtnggngccc atnctgctgn ngtgcctnna    180
agaccacanc cctnanaggc tnctggtcct gctgtgcatn gcccattgga tgccganggg    240
ctnatnactc anactagtac ctcacntgat cagatgncag aatcaaccaa atnntgcaga    300
tttcagtcng ttgtgaagta tttgctgcat caacatgtag aacgactaac attcatgatg    360
aagccgagaa acatncacaa gtcctgncgg ctnaaaaagc ttatgatcct gcacgntntc    420
tnatagtngg ctaaacagat ggtataaact gacgaanaga cagctgctac tgctcctgcc    480
aatgtgagca aaggcacaat actacttgct ccaggaccta aacctgttcg aagaagattg    540
taaattggaa gatgaattta ggccagaagt ngatgaacat acncaaaana cgggtgggct    600
tagctgctgn ncntgcatca caacctnntn ttnncagntc tgctgggaac gataaganng    660
tnttcangca tcaattagnc gtaataagga aaccngcanc gatttngncc aaatggnata    720
gcctattgca gggncnaatt taaaggatgt ncttnnngag anaaattacc tgggaagttc    780
aactgggaac aacntcnaac cattntctna cctataagcc aantggccgt taactgtgaa    840
catncttggg ttttaaaann gcnt                                           864
```

```
        <210> 4240
        <211> 468
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(468)
        <223> n = A,T,C or G

        <400> 4240
ntccttttga ntacntntac aagctacttg ttcttttgc aggatcccat cgattcgaat     60
tcggcacgag atttcaacat actgttgtct aatcatcgtg actcccccaa tttctctttt    120
ttagaggaaa gtattgtaca gatgtatctt gaagattata atcttggttg attattgcct    180
attctcactt taggaataga tggtgatagc ttatgacttg tgttgtataa cgaggtagaa    240
atattgctgn cttctctgac atagcttctc aaagagatca ttaatgtatg atatctaata    300
```

```
aaccatctaa tgcatgtaac agtgatcagc aaattaataa attagacctc tattcatgct    360
taaattatca aagctaatat ttaaatgaga tgttctattt taattaaaat ttctggcacc    420
atcgttaatg agacttagaa tttcaactag tgtatttagc tcttactt                 468
```

```
        <210> 4241
        <211> 476
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(476)
        <223> n = A,T,C or G

        <400> 4241
gtnnttnnnn tttgantnca aatacaagct acttgttctt tttgcaggat cccatcgatt     60
cgaattcggc acagaagacc aagcgcatgc gancctcttt caagcatcac cagctccgga    120
ccatgaaatc ctactttgcc atcaaccaca acccggatgc caaggacctc aagcagcttg    180
cccagaaaac aggtctgacc aaaagagttt tgcagggaga acaaatcttg gggcattaca    240
gccaaacatc ccgacgtttg aaaattccct aaagtattaa aagaagggga aaagtttgat    300
cggaaatcca ctgcagtgaa gacaaagaca ctattaggtt atgataatca tacattaaaa    360
aatttattaa gccaaaaaaa agagagagag agagacttaa atgtcattta ctgaatgtta    420
acgaaacttg tgttctttat ggtgtctaac acaactgaag gcctaaaatt atgtgg        476
```

```
        <210> 4242
        <211> 846
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(846)
        <223> n = A,T,C or G

        <400> 4242
gtntttcncn aanngntggg aactcgctct ntctgcagga tccctcgatt cggaaatata     60
gngagatgtg ggatgtgaat gcccatgaaa gacatattat tacacttgaa tatattcttg    120
cttcacttta ccctncataa natgntgtac attagtgctg atcangttta cagagntaca    180
tgggcgcttt cctaaccatt cagtnangaa ttaaaatatg gcattgtata acaactggga    240
agaagctcat agnggatata aagtagagta gataatgggt caccttggat agcctctgat    300
acattcttgt atatgggcaa aataatgatt acctatacgt gtatttaagc ttaagcatca    360
tataaacagt ctttttaanc ttatggtaaa ntnnatnata tntaaaagct gtgatctcta    420
ggnagtcctt aagtnattag tacngnactt naaaaagatt tttaataggt ccgncaccgg    480
tggnntcatg cctgtaatnc cagcacttcn ggaaggctng angcaggccg aatcacctga    540
aggtcnngga anttcgagga tcanaccttg gccaaacatt ggtgaaaacc ccntggtctt    600
aaacttaaaa nntttttaaa aaanntaagc ccnggccntt ggntgggnan aggcgnccct    660
ggtaaacccn aagctntcct ttaggaaagg cttgnaggcc anggagnaaa ttancnttgg    720
aancccnaaa gggggcanaa annctttncn gtctcngcnn aagnaatcgc antcaaatgg    780
naactntcan accntaangg ggaccaagna ancncnnana cnttnattct tcaaaaaaaa    840
aaaaat                                                                846
```

```
        <210> 4243
        <211> 789
        <212> DNA
        <213> Homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(789)
<223> n = A,T,C or G

<400> 4243

```
tnananctgn tncncnttca aatnctnggc tactngttct ttttgcagga cccatcgatt      60
cgggaagagg atgactgggt atgctgtgcc acccttgagg gccatgaatc cactgtgtgg     120
agcttggcct ttgacccgag tggccagcgc ctggcgtctt gtagtgatga ccgtactgtg     180
cgtatctggc gtcagtatct accaggcaat gaacaagggg tggcatgcag cggctctgac     240
cccagttgga aatgtatctg tactttgtcc ggcttccact caaggaccat ttatgacatt     300
gcttggtgtc agctgacagg ggctctggcc acagcttgtg gggatgacgc gatccgcgtg     360
tttcaggagg atcccaactc ggatccacag cagcccacct tctccctgac agcccacttg     420
catcaggccc attcccagga tgtcaactgt gtggcctgga accccaagga gccagggcta     480
ctggcctcct gcagtgatga tggggaggtg gccttctgga agtatcaacg gcctgaaagc     540
ctctgagcta cctcgacttt ggacagagta atgacttccc cagaaaacgt catataagac     600
ttttaccagc ccctgaanga ccaagaggga gccattcctt tgaactttca tttaactttg     660
gnttnacttc tctttaaaac ttggggtaga aantgcaaaa gcccncanaa attgctttttc    720
cnttcccccg cctttttgaac atgaaggncc ttnaattaaa agaagcttcc cggaaccatt    780
naaaaaaaa                                                             789
```

<210> 4244
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 4244

```
nttcctaatg tttcggntcc ttncttccgc ttctaangct tggcgtgcac tccagcctac      60
atgacagagt gagaccctgt ctcaaaataa taatnataat gaactgagac tcanaaaaga     120
tgtttgttca nggttacaaa gctcagacag gacagggcag cattggaaac caaaattggt     180
ctgactccta gctcatgctg taaatcacgg tgcaaggctt ctactatcta tgttgttcct     240
aaaagaatgt ataaatgaaa agatggttaa catattaagc aaaatatgtt aaacgtcaaa     300
tgaactgtat aaacgataaa tgctggagag ttgaggtggc aaagaactca tgcccgaggt     360
gatctgggaa ggcctcttga caaggtggaa ttatagctgg ttttttgaaga atccgaaagt    420
gcttagattg aaaggtgaga catgtacagg aatggtttct aagatgtcat attntatctc     480
tgtcctcatc ttgactggca ctaatgaaca tcaaagattt caacctaaat acattgagtg     540
cccagtatgt gaanggcctt atttatggtg gtttaaaagc tttttaacat actttaaaag     600
aagggactgg ttaatctnca ctgnctagat ccattagacc ccggaccgga tggcccccang    660
ggcctttggg aatggcgtgg tgggacagtc ttncactttt gcacataccc aagaaaagaa     720
tggncctttt gggaattttg cagacctaca atctggagg                          759
```

<210> 4245
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(842)
<223> n = A,T,C or G

```
        <400> 4245
tcccccttgaa ancccntaac caggcttcnc angncaaacn ntttggaaaa nccaanacnn      60
aaaanaaang ggangggnac nncngcacgn ngcaagagan tacacaganc ngacngnttt      120
taacgannat cgnaaaaccc caaatggang gannttgagn cacntgcnaa agggcccaac      180
tgctcanttt aaaaaagagc agngtccgac annngcaaag aaangcagan naagaggcaa      240
ggaccccaca gaacacatan ctgaaaataa tncngaataa ntnnacaaca cgggtggggn      300
aattcaanng gacgnaagnn ngcatccntn nttcctnata ancctcaaat gnaatcggga      360
aggcaangnt ggccacaatt ccacaaanca acgggattta ccatnannnc tncangattt      420
caccaggata ccatantcaa ggagtgaaaa gaaaagtggg gaaattcaag gaacttggga      480
cccaccnngn nanaccntta aaaatnaagg gactcntcaa gaaaagggaa ccntnangag      540
tcnnaaaaaa agggaagang aatggaangg ggnccataaa ggccccnggn aaaagggatn      600
caagnaagaa anaaaaatgc aanttanaaa ggactgggaa gaaagganaa naggnnncag      660
gcgaaaacag ggcccatcta ggaanccngg ngaaantaan tncngncnag aaaacccnnn      720
gcaaaaaggg naantcgnnn nnacnnanta aaancccnnc aanggatngg caaannnncn      780
aaagggntag aaangncanc ngagcgagnt acacgnanaa aanncnnata ananntaann      840
cc                                                                    842


        <210> 4246
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 4246
gnnccccttnn ctntacanta caagctactt gttcttttg caggatccca tcgattcgta      60
tctgtctgtc ttgatctcta ttctagcctc tttttctgat tggccctctc ccctctcttc      120
tgtctgattg gcctgtatcc ttccatcacc ccatctgtct gctggattct ccctgtctgc      180
ctgcagtaat gtatgtgata gcactttata aattataaag cactatgttg tataaaacac      240
cattatcact ttgtcttcct tcttacctta ttttttcttc ctttatctgg cttcccttct      300
tctctctttc tctctctctc tgtttgcctg tctgcatccc ttttggtgat tttgcctgcc      360
ttctctgtca gtcaatctcc attccctccc tgccagccta tttttctgcc atccctcttc      420
tctgtctgct cagttcttgc atctctcctt ctgtgtttcc aggtttctct atatttcttt      480
tgcctgtgta gtctctctgt cgttaggcct tttatctatg cctgtgtgtc tcactgtcta      540
nctgcttgtc tccctgcctg tcactttcat tgtggggcat caagtctctg ccttcttctg      600
tctttcaagt acttcaaaaa ataaaaatta aataaaaat taaatcctta tgataatggg      660
tacangagaa attttttgtt taatgagaag atataaggng agacaagaa ctcaaaatta      720
ctgtgaaagc aatgaanaaa                                                  740


        <210> 4247
        <211> 465
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 4247
agccttttgc nacncgtttc aactacttgn cttttttgcag gatcccatcg attcgccaga      60
aagtgccttt acattttttgt cttggaacaa ctntgcaatt tcatcttgat ttaatatttc      120
tagtaataaa gcatcttccg actccacatt cttatctctg ggcagacatt ttattcttaa      180
```

```
gaattgtagt gnttgatnag aagctnaatg gagatgatta acgtgtcaat gattaataat     240
tataacaaca ttcaaacact tagaaattat agnatttcat canatgtctt tttaaagagg     300
catttctggc cagttgtggt ggctgacctt tgggaggctg agacggctgg atcacttgag     360
gtcaggagtt cgaggtgaga ctggccaaca tgatgaaaac ccttctctac taaaaaaaaa     420
aaatacaaaa attggccggg catgatggca ggcgcctgta atccc               465
```

```
        <210> 4248
        <211> 1070
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1070)
        <223> n = A,T,C or G

        <400> 4248
gggnggggnn ttttttnnaa annnnnnncn nttttttggg ngaaaaaagt ccccgccagg      60
gccttacctt tgggtntnct ttttttggn ccaggggaat nccccaatn cgggnatttc      120
ccggaaaatt tccggggcca ccggaaggaa aaaaccaaat tantnaaacc ttcaaaaaat     180
gggccctttt tcntaacagg gnacttaccc aaaaagcctg gtcctggtan tcaagggttt     240
aatggggtgg tttaaaaatc cataaaattt tctggggaat ccatggaatc cttaaaaacc     300
ttttaaattg ggtttcccat tttcttacnt ttacttcntt ttactaaaca aaggtantcc     360
ctggaatggg cctggaaaaa atnccatggt ttggnaaaat tttggaaagg tttttggaaa     420
tttttccca ggaatccaaa aatantggaa aaaattttaa ttttttccaa ttttttttaa     480
aaggtaccaa aaaaataatc caagtttggt antaaatcaa ttgggtaaaa aaaccattaa     540
aaaatttttg gcttattaaa aaaggaattt tttaaaangg gcctaatttt ggaatttaaa     600
aaccatttta atttacctta aaaacctctt tttggcttan gaaatttttt ttttaggaaa     660
atttcaagcc attcggggaa gggaanggaa atggtggacc attaaattaa atgggatccg     720
aaaaggcccg aaaaggtttt aaaaaaggtt tggtggaatg gcccntcaca atggggttgg     780
ggaangggggt taattctaag ctttcttaaa gggactggaa tgggtttggt ccacaaagga     840
agtggtccat caaggtcata aattngggtn aagacttaat gggcttanaa ttttatggna     900
tttatacct gatggtattg gaattgagat gaatatttta tgaaccaaaa tggagccatt     960
gtgtaagaag tatagtatta aatataagtt aaaacttgga attttaaatc cttggagtat    1020
gtnagccctt caaagctctt gangctgaag gcccgattnt ttgcagtggg              1070
```

```
        <210> 4249
        <211> 1336
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1336)
        <223> n = A,T,C or G

        <400> 4249
aggnnngnnn nnnnnngnn ngnnngnnnn ngngnngnng ngnnnnggnn nnngngnngn      60
ggngnggngn nngnnnnnnn nngannnngn gnnnnngnnn nnnnnggnnn nnnngnnngnn     120
ngnnannnna gangnnnngn nngnncnnna ngangggngg nngnnnnnnn nnnnnnnnnn     180
nnnnnnnnnn gnnngcngnt angntgggaa aaaanccccc ntttttgggg aagaaanann     240
cccccnggn ntnctttttt tttgggccnn ggggnaaan cgccccaann ccggggggaag     300
ggggcgggnn aanatgtgnc ggggncnaa ccggnaaggg ggaanggnga nagnnnngng     360
ggannnnnng nnnggnnagg ggnnnnnngn ngnntttttt tttntnnaan aggccnagnc     420
gangnnggggg nnnnggnngg cngnnnnaag ggggnggggg ggggggagnt anggggggcan     480
gnnnagggggg gncantancn nangggggnn gngagaacgn naaacaacac agggncnngg     540
```

```
aanggaggng gnnnagnnng nnngagnnac gnggcgnnng gngngnaang ccnncngggg    600
gcngggngan gngnananca ngggnnanag naganggggag gnggggaaagg gngggggccgg    660
aantgnngga gnggcaaggg angnngganc ggagggangg gggcgagagg angagccnat    720
cgagnggggg nagggggngac aggaanggan aagnangggg gnaaggcgng aancgaaggg    780
ggggggnatga ggaggagann gngagngctg ggggggaaggg ggnannggggg ggggggnngnn    840
gagnnggnna gngggngggn ggangangat gggagcnaan cggtggacaa aacggcggcn    900
caggngggggc aggnanaaaa gggccgggag cggngcngng ggggaggngc ggnggtgtan    960
gaggcaggna aattgannggg gagacnnggn gngcgnngga gggnngaana gngnnngaan   1020
naagacggaa cnaagtggag gagggggnan nnggcgcagg agagngaggg ngtanggnag   1080
ananananggg nnaggacnggg ngncgnggng nngagtgagn ggcgcgangg agngngaggn   1140
gagcggngan ngagggnngg nacggggatg gggangncng ggggngnnnc gcggggcgtg   1200
gggacnccng gggggggggg gggnnaagnn ancnnggggg ngnannagan ganggggngnn   1260
cgntgcnggn gnggggggggg gagagnaang agnacgnggg ggggggnnacg nngggggnnga   1320
gngcgagnnn gcgcgg                                                   1336
```

        <210> 4250
        <211> 817
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = A,T,C or G

        <400> 4250

```
tcngngagtg gtatgtctcg cntcnccgaa nagcaggcgg ngcgaattcg gcacgagncn     60
aaaacttngn aataanncac tttcatttnt tttctagatt ttgtacatct caggccatat    120
nagcaaagct tgntgatagt gnaggntnct aaacgctgca aatnngcagn ctttaccact   .180
acaaagaagt ctggatgatg gatnctctgc tnttngtcaa aatagttact gctgctgtag    .240
aaatttcatt tttagattna actgtgntgg atgagctatc ataattcaag tatacattgt    300
cttagnctat caaatattca ttgtcatgca gtagtagtna aaacatcnna gatgcagcaa    360
gcntattaag anntatttac taaaagaaat aggaggcatt tacatctttta ttattgtact   420
cngggatatg caaacnctnn gatantataa acagttatgt cccctataaa tcnggtcagc    480
aacctcnntt gattatgctg gggnaagtca aatagtntgg aagtaggtag agtnctggnc    540
nacaaggtgn ttcaaanctt aannattngg aacacngggg nccaagggct nnaatcntta    600
aaaggaaaac tgggggntta ntgcactnaa accgtttntg gngccntang gttcnaaann    660
nccanaacct tgaatnnant gtggtancccc ctgggncaaa anaaangncg ggnattancc    720
cactggnncg gaanaacaat tgcctaaata aaggtnccccc caattgaatt ccccnanaaa    780
nggcctnaaa anggntcccc tntttccaaa gnaaant                            817
```

        <210> 4251
        <211> 1351
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1351)
        <223> n = A,T,C or G

        <400> 4251

```
ttggnggaaa acccttttc caangagntg gganaaacnc cgatcgcccg naangcgnnn     60
ggggcanaaa gngcnatnca gancgnngna antnnagccn nttttttancn cccacgngca    120
ananangcng annaaccngg gnatnaanaa nnggngcccn nngncaaana nnnanacncn    180
atggccnnga angnncnacc cttacnnaac ncaatanccn ncganancag aannagntga    240
```

                          1355

```
accnnnnnca cntnacaaaa nntctagann nccgntcacn caanaagncn cnnngccann    300
acnnnacnnc nannnnancn ncngcangga ncncacnccc cncncgnnnc canacnanca    360
ngacngacnn aatantncag annacncgag cnntgacnta annacncaan tagcannngc    420
cnctcgnngn acncnnaact ntngnngagc ncnnagngnt nnnnagctnt acgcnncgat    480
aganangcg naaaacngan nnnnnnctnt cnanannnag actangacag acnnngncaa    540
cacatnnnta gaacnnngca cacatntcta ncgntatcan cagnncaggc annnnacaca    600
anagcancac nngantgann cacaanaatc acgcntngaa tnnncntnnc tnannnnaca    660
caaccaanat nnaanaatgn aagnacaccg aacactnnac angcagacta nactcngnca    720
cnnaananaa gaactgacng acannacaaa tanaaacgnn ntctacatca cagangtacn    780
nncagacana ancnncngna nnacaancgg cncacacagn tanacntntc atagcnntcn    840
ancatcccnc agtgcacaca agngcncgna aannntcatn tcnctanana cggatnccat    900
nataggaaca gnnanctgcn tacannnctn ncaagnaatg nacagatgcn cgcanganac    960
gnaagnnncn nnatnctgca tgcntngcnn ancaaatggn angatnatcn nanatncaan   1020
nngcngcata caanngntcg nctaacacng atctgcatcc atngacggat anacgtngag   1080
tangcctnnt cacctcnnna gatctgcgtn ncganatcan cacnatangc ntnaanagtn   1140
nncagaacag tacnagactg gnnantnaag ntannatngt ntnnagtata ataanncaca   1200
ngnagntaga cnncaancgn ngnacnanat nccnngcann cgcaaanaga gcanccnnan   1260
gcgnaccgac cgcagctaan acanacnact ntacnncaca aancntnnga ggccgntcta   1320
atnctncatc nnnncacctg nacgngaccc g                                  1351
```

```
        <210> 4252
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(759)
        <223> n = A,T,C or G


        <400> 4252
```

```
taaanntnat ggntggntac ttgntcttta cgcaggatcc catcgattcg aattcggcac     60
gagggagccc agtgttcctg ttcatgaaat ctnccttta ctggaaaaca ggaatattga    120
ctaccaaatc acaatgcaat tgaagccgta ctgctttttt gagcagttat tcattccagt    180
gattaaaact gattgtgcan aatattctaa gaggncanaa attggngtgt ntaactacat    240
ttttagtgat gcaattnatt gattagtgag taagatactg agttttattg agagatttga    300
ttattataaa gtaaaaatac ngctgnatta gggttacnaa cagnaaagtg tcttaatgnc    360
tnangagggc atnttanctn cactacaaaa ccanatnttg nctgtacttn tgaanagaat    420
nttgtngntn ctcagctgnt atncaananc tnaggaagnc tntatggntg cnttctatga    480
catgtgnatt gtgatntgca tataagnatg ggtggngtgc nataccatat tctnggttnt    540
taaaatctat cactttncac cttncacttt gacgtggtaa aactttaaaa accaangtgt    600
gnaaacccnc nggnttctta aaatacnagg ccttagatct tatcagncgt tttgacaaag    660
caggtttttt caanggntcc ctcctnanan ttttttnnaa cggtcaaact aangnnnttt    720
gaggnaagct cttagtttga ccggaaaagn tgggnccnt                          759
```

```
        <210> 4253
        <211> 1382
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1382)
        <223> n = A,T,C or G


        <400> 4253
```

```
nnncggnnna nngaannggn gnnnnnaggg gnnggggggcc nnggngannng gnnaanggnn        60
gnnnnnnnna nngnnggaag naaggnnggg aaaacagggg naanggnnga caaannnnac        120
nanngnanaa naggngngnn ggggnggggan gaaanagggc gnaagggang gnaaggaann        180
gggannnncg nngnggnnnc ancnnnnnnn anncennnnn gngggnnccn nttngntggg        240
aaaaaaccccc cttttttgggg gaaaaaaaan nccccccngn nngnnngngg naaannnnag        300
ggngaanaac cccnacgcng aaagaangng gaanggnntc anggacnacg nnangggcga        360
ncgcccgagg ggcannnggg gnagcnngca nccannnntt tnccaacgaa gggnananaa        420
cnannagncn gcanccngng caggggngn ncgncgangc gcnnnanagn acacacaaac        480
taanaagaan nggaaganan naacananna acgaaangaa ccggnaaaaa gagacgggca        540
nngcnganan aggagcngga cngnagggg anccnacngn annaagcgng gnagnnnggg        600
gnggaagagg cngcncggaa ngcnnnnacn antccgnaac naaanagnan naangactag        660
gcaaccngaa cnncacgacg ggnnncnann gcggannncnn nnacnagcgn nngagggnna        720
agcgcgcggg acnaacgggg nccncggann gggannganaaa angccgnaac aaaagangga        780
cgnaaaaacn acncananaa cggnnagggc ccngcagcnn aagnaggngn ggagggcagg        840
gnangcggga aagcgggaga cgcnnccagc gagaagcgcg cnaangaaan ngancgggcn        900
ncgcgcnggg nanncgngcc ggnannagag gacnnatagg aagtgcacna ncaaacgcan        960
cggcatcnca ngaggngang ngatgnggat anagngancg nganannccna nagaganggg       1020
gagagnaagn agancgcgga angnacanca angcgnagaa ccgngagagc gnnccangca       1080
ngngagaang gnannggaggn nannganana cggngcgagn gangnnnnga cacganggac       1140
acgcgcggag aganncgcna acatgaagna ancggnngga tgggaaannn gannganana       1200
cggangganan cnggggncga gangagangg ngaggcncac cnaacacgga gggggagcna       1260
ggtagnggca nnnaangaga cgcggacgaa aacgggganaa ccgaaanggn gggngcaanga       1320
nannanggga agacgcacgn gnggnnggga gnaaannang ngggaanacg aanaaaancg       1380
cc                                                                      1382
```

```
        <210> 4254
        <211> 1245
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1245)
        <223> n = A,T,C or G


        <400> 4254
cgatacacat cntnnncaaa tgatatcnat ntaanatatc aatatnttnc ntnttnatac        60
tctgcaannn aagaaaagan anantnaggt gctgttgaan ccatnanctc ttgttttttt       120
gcagnnccca cgnttcgaat tcggcacgag gttttcctca ggcacaatga gccactgcag       180
gcttttgagg agaagagtga caagctgnag agctgtgttt taggacagct atcctagagc       240
tatgtgtggg cagagagtac aagcaggtta tttatgaggc tngggtaaaa aggcagacag       300
gggacacatt tgtcatatgc cctattgagg cncanaatca nggaacagga ggtctgcngg       360
ttncangaca ggccaaatca ngganaaaag ggactatccg ggattancaa gtcactggtg       420
atcganatat cactttcttt gaanntttan aaatggtttn tgttancact tgcnannctc       480
ttcattaana naacctgcca caaaccaata aanttannng tttaaaatag aatcntgnag       540
ttatananan cccaatggga anctnggnta atannttnta nngggaanac tnttnnngtt       600
naaaaaggga aanntnnggg aaanccegnt nanangagag nggnagnntn tggcataana       660
gacgnggnnt ctctcctcta aacganatac gaatacctct tncgcnnnnt acncnnnngg       720
tgntnnanaa acgntatntt tctacacggg antctntgtc gtttttttaa agataatnag       780
nagnacncaa tacataantn ncaagcncgc gtnanaaana nantgnacgc tnannataan       840
aactcttntc ngtatnggcc nctaanctac ttaanggana aagcttaata taangntgat       900
ggcaagggtn cccentgtag antcnttacc nattgtctca acgatctccc taacgttatc       960
nnnntngaca ccatgacgcn attngangcn cacttantnt gaacgngtaa aagnntttnt       1020
ggggggtgcnn tannaatacn nangtcnnca tcncntttnn nggttananant ntccncancn       1080
tngatataaa gannaaataa ntggtgcaac ntatattttt cggnnacnna nntatattct       1140
ctntgggnna tncatgtctn catncgtgcn ttatcnattt ntngtaagna gaaaccngtn       1200
```

aatntcttat gaannnntnt cnntttcgta atttgaaana ccncg   1245

```
        <210> 4255
        <211> 768
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(768)
        <223> n = A,T,C or G

        <400> 4255
aggnggnatt aannnnnttt ttanannngc ngctcttgtt cttttttgcag gatcccatcg    60
attcgaattc ggcacgagaa acaatataac tcaaatgcct ttctacagga ctacaaagct   120
gtctgtatca ggttatggtg ttaaatcata atttctggat catgatctta aacctttaat   180
tggttccatt tctactttac tctttactaa caagtatcct gatgggcctg aaaatccatg   240
ttgaaatttg aagtttgaat tttccagatc aaatatgaaa tttattttca ttttttaaag   300
tacaaaatat cagttgtata atcatggtaa aacataaaat tttgctataa aagattttta   360
aaggctattt gattaaaaca tttatttact taaactcttt gctagaattt tttttagaat   420
tcagcatcgg aggaggaatg tgacataata atgatcgaaa gccgaaagtt taaaagttgt   480
gatgccctca catggttgga gggttattct agcttctaag gactgaatgt tgtccacaag   540
agtgtcatca ggtcataaat tggtaagact taatggctta gatttatgta ttatacctga   600
tgttattgna ttgagatgaa tatttatgaa caaaatgagc acattgtgta agaagtatag   660
tattaaatat aagttaaaac tttggaattt taaatacctt gggagtatgg taaagccctt   720
tccgaagtct cttggaggct tgaaaggccg nattcttttg cantgggn              768


        <210> 4256
        <211> 749
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G

        <400> 4256
tggngnttta nananncngg ctctcntctt tttgcaggat ccctcgattc gaattcggca    60
cgaggtaaaa catgtaattt ggacatgcaa gacaatgctg ctgccaacta acattgcatt   120
gattcattaa gatgttattt ttgaggtgtt cctggtcttt cactgacaat tccaacattc   180
tttacttaca gtggaccaat ggataagtct atgcatctat aataaactat aaaaaatggg   240
agtacccatg gttaggatat agctatgcct ttatggttaa gattagaata tatgatccat   300
aaaaatttaa agtgagaggc atggttagtg tgtgatacaa taaaaagtaa ttgtttggta   360
gttgtaactg ctaataaaac cagtgactag aatataaggg aggtaaaaag gacaagatag   420
attaatagcc taaataaaga gaaagcctg atgcctttaa aaaaaatgaa acactttgga   480
tgtattactt aggccaaaat ctggcctgga tttatgctat aatatatatt ttcatgttaa   540
gttgtatatt tttcagaaat tataaatatt attaatttaa aatttgaatt tgtgtttgac   600
taacaacctc gatggatctt cttncaacct nccattaaga tcctgcagaa gaaatagaaa   660
tattcaaata ttgcaaggtg taattgtgag acaacttatt ataatacgtg ttaagttcta   720
ctgganccat ggaaatggtt taagaaaaa                                      749


        <210> 4257
        <211> 466
        <212> DNA
        <213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(466)
        <223> n = A,T,C or G


        <400> 4257
tgnttcnant nttttacaac tacttgttct ttttgcagga tcccatcgat tcgnattctn    60
nacgaggctg cttactaagg cttnnactgn nanatcgntt gacccnntnn gtcgntngct   120
gcacatgccn atattnnnnc gacnnngctn nntcctgngc ngntangnga tgacctgnnt   180
cnggacacaa tggngaangn gtagnggtgc nngacatngg cgaaattgtg ngcnactaga   240
antngtgnca angcnngntt tcacatancc tnnnnnnnct acttgccatn ttnnantgan   300
cttnctgcct cacnacattc ntgngttcat aacnngacnc nctaagngna caactccgaa   360
cccacattgg ncaaaaaaaa cnacatatgc tnacngttcc tnctgcccat gtgnncnntn   420
aacttgnatn atcttanact gaaccagngc tccacccatt catnct                  466


        <210> 4258
        <211> 464
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(464)
        <223> n = A,T,C or G


        <400> 4258
tngatncctt cgatcagctc ttgttctttt tgcaggatcc ctcgatncgg cctatcttag    60
agaatcatct gctcanncct tattcctgca gaatacaaat gtcacattct aacctgttca   120
gagattgtct tcaanataaa antgtgattc ctacatggna tgnnaaacaa nctacactnn   180
tnggcaaaag gcattattag ggntngattc cataatgatt gagtnctntt nnnnagtata   240
ntcatgcanc tgaacaaaat gaagctcatt ccactgcntn gaanaatnnc acaaatgtga   300
tgctnaanan aggaagccac gtgcanacac tnactatata attntatgta catnaagttc   360
agnatccgga tagttaccnn tgnnaaggan gtaactnnan gagtntgagg aggggnttct   420
ggtatctggt taatgnactt ngtaccantt acccaanagt gnnt                    464


        <210> 4259
        <211> 882
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(882)
        <223> n = A,T,C or G


        <400> 4259
gnagcntnnn nnttttctaa ngttggctac tcgttctttt tgcaggatcc catcgattcg    60
aattcggcac gaggcatcct gtccttggga accctttctc attctccaag cctggtcagc   120
tgcctgcaca ggcagaggtg ccctcagccc aggttagcaa cactcatagt tttgccaatt   180
accagtagac actagtggaa ccatctaact ggaacttcct ctctccttcc acttatttcc   240
tcaaacttgt tgctttacac tagacacatg caaatgtatg ttttaaacac accaaaacag   300
atcatgccaa atgagttgcc tgtcaaaggc tggagggcag gaggagggcc tgggtttggg   360
ttctttcctc ccagcctttg gatggtgcct tgggcccctt agccccagcg ccagggcctt   420
ccagctgagg ccacaggaaa gcactttttt atgatgtact aaaagccaca gtatgtggca   480
actgcaaaag gatcaggaat ttagggtatg atctcggtca cgtgtcccgg ccgctgagg    540
ggaaaggaag cgggcatgat tgtagacaat gagggggttc tcttgatgta atgaaatgca   600
```

```
atttttatggt ttggtgcaaa aactcctatt ttccagttaa ttaactttat ttctaaagca     660
tatttttgat ttnccatcna nagcnataaa gcattaaaat tctttaaaaa aaaatnatcn     720
ntctcnantn ctccanatnc aaaaaaaact tcgnnccntt naanaccttt ttgnggngtt     780
cntnttttnc cgngannccc cnccnttnnn nctnngattc cntttgnctg tnttttgnga     840
cnaacccccc atactnagan tnctccgcaa aaaaaantcc nt                       882
```

```
        <210> 4260
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 4260
nngtgnantg ngatnttggc nagcgccatg antnnnggag tcgancgann nncggcacga     60
ggagaaccnc ntaaagccct nannnttcct tttttttngna ngaagnggga gtanatggnt    120
ngcnatntan nccnanangg cacnntnnan ggaggngnaa ccactctgac gttnnatngg     180
cantgagagn tagancagag gctgncctgc ntggaagctg atatacccta taatncanag     240
ggnnnnagac nantnttgng aaactcggtn anacattcta tttanagaca tgcctgctga     300
tatgacntat atttttatag ggatacccnt ttatngctgg gacatnaanc ctgnttncac     360
tcnaaatgnn cctgctttca gaaaatagaa cangagacat gccgaaaaca gngnttctat     420
tattgtgnat tatgantttt gttctntaga actattttcc aactcatctn nttncctgca     480
gctgnggaat ctggacagcn aaatcttgtg gacgtttatt ccactaagcc cagggatgag     540
atggcactca ggttaaagaa ctaacatttt ctgaacccct nattaactat ttaccagcat     600
caggccctct aagtacaagt gtcagaatcc ttcatttcaa ttttttcact cngggcattn     660
cccattacaa agcccatcct attattgaac ccnaanttna gcaaaccact taggtctgcc     720
acttaagaan tcngngnnnc aaggttgccn aagaa                                755
```

```
        <210> 4261
        <211> 738
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(738)
        <223> n = A,T,C or G

        <400> 4261
tgtgttttct nnctgtggnn actggccttt cnncangaag cctggccggt cgaactgcna     60
ncggcnncnn cggaaagggn ntgnncaann gnaatttntg cngntnangn tgtatacacc    120
ttggangann nnnntgngcn attgcngntc tnngangtat tcangncnnn taaattcntc     180
atnanccnca cttccatngt ntnntcngnc acatgctnnc antntatnat ncntgngaaa     240
ngcngantat cnatgctaga cntnnntgca ggctgnngcn ncgganntgt cntgacnnca     300
aactgtttac tctnantgac tgtgnnggcn tttntcnnat gaaaannggg gcagtattcc     360
cttnctaaan gagntcnnag gaagaagatg agaancgggg tggnatcagn aactgannng     420
gcacngaagc acgtgnnaga ccctcnnana atgatgtgan nggaccaaaa gcntgatcac     480
caagcgcttt cangnctgga ttccnnncnc gnatccatan nagtcntgtn anccaggacc     540
ttnnaggnat catnnnccng gcgtgtngnn aatgagcatn gtgtggtaca cttgacgntg     600
tcccctggtg cntactntgt aattcatgct ncactagatn agncnagnac ntatatncgc    660
ttcggcactg tgtgctngta ccnaccncnc gttggaccgt nattcccctt ncaatgtgtn    720
anatnttngg ttgggcct                                                  738
```

```
<210> 4262
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

<400> 4262
ntcntngata canctacttg ttcttttttgc aggatcccat cgattcgaat tcggcacgag    60
gcaattgtct atttatcttt tatnttttta agtcagtatg gtctaacact ggcatgttca    120
aagccacntt atttctagtc caaaattaca agtaatcaag ggtcattatg ggttaggcat    180
tnatgttnct atctgatntt gngcaaaagc ttgaaattaa aacagctgca ttagaaaaag    240
aggcgcttct cccctcccct acaccnaaag gtgtatttaa actatcttgt gtgattaact    300
tatttanaga tgctgtaact taaaataggg gatatttaag gtagcttcag ctagctntta    360
ggaaaatcac tttgctaact cagaattatt tttaaaaga aatctggtct tgttagaaaa    420
caaaatttta ttttgtgctc atttaagttt caaacttact a                       461
```

```
<210> 4263
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 4263
anngannctg nnggtcgtgt aacgcccttt ntnnangaag acnggcgatn cgaattccga    60
ggatccaaga gggcnnnact ngggngggct tcntttcagc tgaaggctgc taccgtaccg    120
tgtgggagcg cctgggtctg gccttccaga ccccagaggc atactgccag cagcgagtgt    180
tccgctcact ggcctacatg cggncactga gcatatgggc catgcagcta gccctgcaac    240
agcagcagca caaaaaggcc tcctggccaa aagtcaaaca gggcacagga ctaaggacag    300
ggcctatgtt tggaccaaag gaagccatgg cnaacctgag cccagagtga gccgtctgaa    360
ctgtgggagg gaagtgctaa cagcccagcc tncagcctgg cctttcctcc ttcccctctg    420
aacctcctgc aaccctgagc catcaggaca atcataccccc ttcccttctc tccacccaat   480
tgtgccagta aatggggggtt gagggtgacc taggcagcat tagaatcact tatttatttc  540
tttcctacct gttccctgac tgcgtgaaat gttcagggag gtcagttgat ttccccaggt    600
acattcatgg tgtgacagac acatgggtac aaataaaaga cccagaaagc caacnaaaaa   660
annnggtttt nanncnnnga attttaaaaa nntntaaatt ncntngnntt aaaaantnct    720
tttntgnaaa aaannnttttt ggcctttttt                                    749
```

```
<210> 4264
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

<400> 4264
```

1361

```
nggggtnttt atanaatcca ggcctacttg ttcttttgc aggatcccat cgattcggcc    60
acatcggggg caccaccctc catgcctttg caggcatcgg ctcaggccag gctcctctag   120
cccagtgtgt ggccctggcc caaaggccag gcgtgcggca gggctggctg aactgccagc   180
ggttggtcat tgacgagatc tcaatggtgg aggcagacct gtttgccagt ggccaggcct   240
atgtggccct ttctcgggcc cgcagcctgc agggcctacg tgtgctgact ttgaccccat   300
ggcggttcgc tgtgaccccc gtgtgctgna cttctatgcc accctgcggc ggggcaggag   360
cctcagtctg gagtccccag atgatgatga ngcagcctca gaccaggaga acatggaccc   420
aatcctnctg agcctnaccc acaaagagga gacaaaaggg ttggcctgtg gcctncccgt   480
cctcctgctn cctatggccc anggccccag ggaataactg gagtaggcag gcagtgtccc   540
cttctgtatt ttttanggac tntaaccttc tgcaggtta aagggagaag tctttaaacc    600
catataccaa ctgtgcttca gttctttan ttttgcctgg gtaaactgct gtagggtcag    660
aattacccctt tctgtgccaa ttganaatga acctgtgtgg tactgatgtc agaggacaaa   720
ctntntgaan ggcttgaaca nacttga                                       747
```

```
        <210> 4265
        <211> 793
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(793)
        <223> n = A,T,C or G

        <400> 4265
ncntttatca aancgnttgg gctactcgnt ctttctgcag gatcccatcc gattcgaatt    60
cggcacgaga aagaaagggc tcgtgacaga gaaagatnna aagagaagtc gttcacgaag   120
tagacactca agccgaacat cagacagaag atgcagcagg tctcgggacc acaaaaggtc   180
acgaagtaga gaaagaaggc ggagcagaag tagagatcga cgaagaagca gaagccatga   240
tcgatcagaa agaaaacaca gatctcgaag tcgggatcga agaagatcaa aaagccggga   300
tcgaaagtca tataagcaca ggagcaaaag tcgggacaga gaacaagata gaaaatccaa   360
ggagaaagaa aagaggggat ctgatgataa aaaaagtagt gtgaagtccg gtagtcgaga   420
aaagcagagt gaagacacaa acacttgaat cgaangaaag tgatactaag aatgaggtca   480
atgggaccag ttgaagacat taaatctgaa ggtgacactc agtncaatta aaactgatct   540
gattnagacc tcagatcaga cagaggacta ctggttcgaa gattttggga anaatnctga   600
ngaacgggat aaagtgaaga tcgnncnttt aaaaaaatga ggttgaaaag aaagctatna   660
gtggcattna aaaagtntta agctncantt agtttntttt attattatta ttatttaaaa   720
ggttaatttc aaggacttga tgttgacctc cngatttccn gaacatgtgt tnaatagttn   780
ttattcccct tgg                                                      793
```

```
        <210> 4266
        <211> 811
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(811)
        <223> n = A,T,C or G

        <400> 4266
tnnnaatcnc nnnaagcctt tgttnaaccc ctttgctact ngcncttttt gcaggatccc    60
atcgcttcna attcggcacg aggttatncc agtatctgnc ancagaatgg cattgtgccc   120
atcgtggagc ctgagatcct ccctgatggg gaccatgact tgaagcgctg ncagtatgtg   180
accgataaag gtgctggctg ctgtctacan ggctctgagt gaccaccaca tctacctgna   240
aggcaccttg ctgaagccca acatggtnac cccaggccat gcttgcactc anaagttttc   300
```
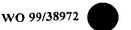
```
tcatgangag attgccatgg cgaccgtcac ancgctgcnc cgcacagngc cccccgctgt    360
cactgggatc accttcctgt ctggaggcca nactgacgag gangcttaca tcaacctaaa    420
tgccattaac aagtgcccnn tgctgaancc ntgnnccctg accttcttct actgncgagc    480
nctgcangcc tctgcnctga acgcctgngg cggnaataag gagaacctga agctgctcac    540
gaagaatntg tcaagcgaac cctgncnaac agccntgcct ggcaaggaaa gtncacttnc    600
gagccggtta ggctagggct tgctgcaacc gaagtcccct ctttggtntt ctaaccatcg    660
cctttttaa nncggaaggg tgtttcccca aggattgccc cccaanaact tnnaagncct    720
ttggccccaa tttccnantt tttgaaanaa ggnaggnccg ccntncttta nngggcttcc    780
aaaccttggg cttaganccc nggctttttt t                                   811
```

        <210> 4267
        <211> 469
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(469)
        <223> n = A,T,C or G

        <400> 4267

```
ntnccntttn nantacanat acaagctact tgttctttttt gcaggatccc atcgattcgc     60
catgcccagc tgtaatttct tattaggtgc cagacattat gaatttttacc ttactgggtg    120
ttgggtacat ttggatgtct ttaagtattc ctgagaatta ttctcaggtg cagttaggtt    180
acttatgaat agtctaattc tttagagtct tgctttcaag ctctcttagg gcaggagcag    240
cctttagttt atgactaata tggccctggt actgagacac taccattcta agtacctaaa    300
tacccaatgc cctgtgtagc atgaggcatt tcactctggc tgataggact gtgaactagc    360
ctcaacctta tatggtcttt gatgattgtt ttgcctgttc ccttctgtgg ttcttttccc    420
gtgtcttcct tactcacgct tactgctcag tactcagccc gaagactct                469
```

        <210> 4268
        <211> 463
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(463)
        <223> n = A,T,C or G

        <400> 4268

```
cgttacttcg atcaagctct tgttctttttt gcaggatccc atcgattcga aaacccctac     60
aaaaaaactt taaaaaaaat ggcagcaaag ggtagttttc atctggtgtc ttttattttaa    120
gttttttaag ttaagaaaag ctggtgacat atttatacgt ttttgtgcaa aaataaaatga    180
atggcaatag attttaaaaa atcttattat gtacttctgt gtgaaaaagt ctgtataata    240
tttcccttaa atatgcatta ttttacttgt gagtttttttc tgaattaatc tgaaatgtca    300
agccctggat ttgctacaga gtgagaagtt attttatttt tttttatttt taattntgga    360
aattctgcag aaatcanaac tcttaccatg gtttgaacaa aaaaaggga aatggggagg    420
ggaaaagggt gggattgtcc ancatgcttg tatgtatatt tca                      463
```

        <210> 4269
        <211> 468
        <212> DNA
        <213> Homo sapiens

        <220>

```
        <221> misc_feature
        <222> (1)...(468)
        <223> n = A,T,C or G


        <400> 4269
tccgtntgan taccgttaca ngctacttgt tcttttttgca ggatcccatc gattcgaatt      60
cggcacagaa gaccaagcgc atgcgaacct ctttcaagca tcaccagctc cggaccatga     120
aatcctactt tgccatcaac cacaacccgg atgccaagga cctcaagcag cttgcccaga     180
aaacaggtct gccaaaagag ttttgcaggg agaacaaatc ttggggcatt acagccaaac     240
atcccgacgt ttgaaaattc cctaaagtat taaaagaagg ggaaaagttt gatcggaaat     300
ccactgcagt gaagacaaag acactattag gttatgataa tcatacatta aaaaatttat     360
taagccaaaa aaaagagaga gagagagact taaatgtcat ttactgaatg ttaacgaaac     420
ttgtgttctt tatggtgtct aacacaactg aaggcctaaa attatgtg                  468


        <210> 4270
        <211> 765
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G


        <400> 4270
nncttactna aaccgtttgg ctacttgttc tttttgcagg atcccatcga ttcgaattcg      60
gcacgaggac ctatcttgat ctggatagta aagtgaggac tttaaaaaag tttattaaat     120
tactgggaga aatcatggag cacagattca agacatatca acaatttaga aggtgtttga     180
ctttacgatg caaattatac tttgacaact tactatctca gcgggcctat tgtggaaaaa     240
tgaattttga ccacaagaat gaaactctaa gtatatcagt tcagcctgga gaaggaaata     300
aagctgcttt caatgacatg agagccttgt ctggaggtga acgttctttc tccacagtgt     360
gttttattct ttccctgtgg tccatcgcag aatctccttt cagatgcctg gatgaatttg     420
atgtctacat ggatatggtt aataggagaa ttgccatgga cttgatactg aagatggcag     480
attcccagcg ttttagacag tttatcttgc tcacacctca aagcatgagt tcacttccat     540
ccagtaaact gataagaatt ctccgaatga ctgatcctga aagaggacaa actacattgc     600
ctttcagacc tgtgactcaa gaagaagatg atgccaaagg tgatttgtac ttaacatgcc     660
ttgtcctgat gttgaaggat ttgtgaaagg gaaaaaaaat tctngactct tgatataata     720
aaatgagact ggaggcattc tgaaattgaa aaaaaaaaaa aaaat                    765


        <210> 4271
        <211> 466
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(466)
        <223> n = A,T,C or G


        <400> 4271
nnccnnttna ntanagatac aagctacttg ttctttttgc aggatcccat cgattcgctt      60
ggggccagga tcctggagtc cttgcttggg gataacttcc tggagagctg ctcagtcagc     120
tatacccttg gggagtctttt gttgagggag aaataaatgt cattttgcaa agccactgat     180
attctgtggt tatcacggca gtttagagag gaaggatggg ggaaagctgg gttgcgctct     240
agccttgaca cttcctgcct ttgtagtgtt aggcaaacat ggcaacccca gaaaactcan     300
ctgcctcagt tttaaggcat gcagggtctt tgtgaggacc atataagcca cgtggagggg     360
```

```
tctagaccaa gcatagtgct tggaagaaag ggcgtgtgtg ctaatgattt atgtctcttt       420
tctttctgag agtcttgctc cccaacacca naggtgagac cacctg                      466
```

```
        <210> 4272
        <211> 465
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 4272
ttcnctttna tatagataca gctacttgtt cttttttgcag gatcccatcg attcgaattc       60
ggcacgagct ttagccccag tcaagttacc tcagcaaaga ctagctgacc ctgccaagcc      120
ctgcccaagt tacagaatca tgagcaaata aatggctgtt tctgttttaa gcttttaaat      180
tttgggggtg gtttatgtgt caataataac tgaaacagat aatatataca gaataaactt      240
tagtttttaat aatctaagta aaagcccact aattcattat gcagaaaaaa atgattttt       300
tgagacgggg tctcgctctg ttgccaggct ggagtgctgt ggcacaacca tagctcactg      360
cagcctccac ctccctggtt caagcgatct tcccacctca gcctcccgag tagttgagac      420
cacagtgccc ttggtgtggt ggaagcaagg tgccatgtga taagt                      465
```

```
        <210> 4273
        <211> 630
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(630)
        <223> n = A,T,C or G

        <400> 4273
nnnnactntn tcnncatnnn cngancnnnn ntctcgngac antttgnnna acngntntgt       60
ggggnnngnn nnanntnngc nnnnnnnnnn nnnnncnaan ccttggaaac ctncctnngc      120
cgatccnnnn ntgcannatn ccgcnggngg dactngnaan cnngnccana taatnagggn      180
ttnnnctgna cnnggcaaaa accccannat taggnanggn gcgctaggng gcccnananc      240
catgnagtgg cacgncgnca nncngttgtt tnnccaatcn nnaattcgna tcgcctcggn      300
ancgccctg gggtanggn acactctgnc nantggnccn actgntnana anaaggganc        360
nagtgtcnng angnccncgg cntacncnag ngaatcctnc cngngnnccg gggnactagg      420
ggnggatncn nncangaagg nnngggagccg nagaacanac ntgggtgacn ggntgngaca      480
aagnnnccgt cnnaaaaatg ctangggnaa nnacanaagg agnntcnaan tgcatnanna      540
ngtgangttc caacgcccna tgaaaaaggg annanggaaa gtcgcacant gattganang      600
ggncgccngn ngngcatatn naaatnnanc                                        630
```

```
        <210> 4274
        <211> 618
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(618)
        <223> n = A,T,C or G
```

1365

<400> 4274

```
tnnncnncan ncnnnccnct nnnncnnntn gantnnnnnn nnnnnacntn ctcangnnng    60
tnncatncan naagnnngta ntntngtcgc ntgnncntnn nncnnntatc gnaatnnnnn   120
nnnnnnntnc ttncctttgg taaccccttt tnnnccntgg cntnacncat gnaacccgta   180
agncggngcn angcnatagc tatnaacgaa catttnncnt ngctacggnn nattgnactn   240
acgcngncnt gtangangcc acnttnacat gcnaggncgg cacaccggtg naataatngn   300
gtcgctnnnt gggtgcggcc ctaacgcttc cnttngcntn agcncangng cctnagactn   360
ttacagnngc attgganann gncgcggcgt nacccgctgc nntacncaat naaggngtgt   420
gaaacacngg acntgggttg aaaaacnntn aanccngatg gcngagcnta agccccgngg   480
gngcctgagg aagcgtgcag cnaggtncnn atganaaatc acttgtgncn aaacggacaa   540
tganctgcgn agnggaantc tgngcncgtt aggncacnca nntgtnnatt gggcgcattg   600
aanngncatg actccnnc                                                618
```

<210> 4275
<211> 1446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1446)
<223> n = A,T,C or G

<400> 4275

```
gnngngnann gggngggggna nnggngaggn gngngnggnn gnggnggngn gngnganggg     60
nnngccnnan nnggccggag cnggggnnnc ggngngagag ngcnngnaaa gccctttgga    120
aaggncggag nngagtggng ggccgncgga gaggggggnn ggggangngg ggnagngggn    180
ggggggggng nngcncgnnt gagnggnngg ggngagaggg gngcnnnnng gnnggggggg    240
ggcngcnggg ggngngaggg nnggnnggna gnggngnnng aaggnggngg ncgangnnnn    300
agtggangnc gngagngcgg gggaanggag nngcgngggg nngnnggggg ggnngngggg    360
agggnnagga gggnnagagn gncnngtggn agggagncng gnnnnggaan gagcgaccng    420
gaggggaang gnagggganng gggngaggga gaggnnggnn agncgnagag agggncnggg    480
nggannacgg annacgggng cnangncntn gaggcnnccn ngggaggcc nannanggtc    540
cggggggnnc aggaaggann caagggaatn aggaaaanaa gncgccaagg ggnnggnaag    600
nngaaannnn gcangggggg ganngccggg agcggannng gnngagngan agggnanggn    660
gggangaang cgggnnnggg ggaaggagng gagnganaaa anggggccagg gagggngggag   720
angngnngac cnnnggnana ncaangggng aaangcngga ngggggnaga gaggngggan    780
naaccngaga nggaaanggg gangggggcc aaagggggggg gggagccccn gggngggaaa    840
agggganccag nttaagaaaa gagccgggnn agaggggnng ggaanccaan ngtgngagag    900
ggcgnccgaa gatggngaga nnaaaccagg ggganagcat gggggatnan agggganaacc    960
cgangangga aaggcaaggg gaacncnggg anngggggaa ncgnaagccg ggggnggcng   1020
ggnnaanggg aanagnngng agggggggaa ggggaanant gaaccnnggg naggaaaaaa   1080
cgggggggaa ntnaaaaaag gggggggaaa aggaaantgc gggagccaan gnntgaaaga   1140
aaaanaaata gggnaagggg gggggggaga naggggnaaa aagggcctga catagaggng   1200
gggggcgagt atgggnnaaa gaaaagggg gngntnnaaa agggncncng ngaggtanga   1260
ggggaggggng ggtngggaga nagngaanag aagagcgaag agatnagtnn naaaaaangg   1320
gnggganaaan ntgcgcaggg gaagctgggg aaaggggngg ggaccccann agccncggga   1380
anatgtgncn gggaaaanaa gggggggggn gnnaaganag ggggaaaana aaagggccca   1440
ccnggg                                                            1446
```

<210> 4276
<211> 762
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 4276

```
ggtggttttn angnnnnttt ttctantngc agctacttgt tcttttttgca ggatcccatc      60
gattcggntg gctctcccag cgtctgacct ggcgtgtctc tcagtcccat cccaaggcga     120
tgttctctac cgctagatgg agcatcagac ctcaagtcaa gancatccca gttcactgnt     180
gcttnnggtg gctctantct gggaggggag gggagacttg aaaatgggan gatctcattg     240
gcttgctaag gnttnggatt tacctcntat cactggagac ccattgtagc gacaangtca     300
agggaacnng aacttgttta ctatcngtgc gctctacatt gaatttaccg acaaactctg     360
tgannaatcn gatatgaaca atgcacnctn nnctngtctn agacannnnn ttannaagaa     420
ggngcacact gaacnnnctn acagcactnt tngntagggg cactgtactn tgacctgnat     480
gaaantntan ccgaggccan aatngaccna ctatnaagct taacacngat tnnagnnata     540
taatnaatga nnattnaana tgancctgan ctannagctt aatagtnctg atgggcctnc     600
atgtnatntc aaaggncttt gaattggcta cttanaagga naatggccaa tngnacgtgt     660
tnnangaaag ggaaacagga aangcnccta gtcccantgt aatgngtcnt nggcaancaa     720
nctgtttaaa acggtntcgn aaaaaaanan nttccnnnnt nn                        762
```

<210> 4277
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 4277

```
ncntttatca aancgnttgg gctactcgnt ctttctgcag gatcccatcc gattcgaatt      60
cggcacgaga aagaaagggc tcgtgacaga gaaagatnna aagagaagtc gttcacgaag     120
tagacactca agccgaacat cagacagaag atgcagcagg tctcgggacc acaaaaggtc     180
acgaagtaga gaaagaaggc ggagcagaag tagagatcga cgaagaagca gaagccatga     240
tcgatcagaa agaaaacaca gatctcgaag tcgggatcga agaagatcaa aaagccggga     300
tcgaaagtca tataagcaca ggagcaaaag tcgggacaga gaacaagata gaaaatccaa     360
ggagaaagaa aagaggggat ctgatgataa aaaaagtagt gtgaagtccg gtagtcgaga     420
aaagcagagt gaagacacaa acacttgaat cgaangaaag tgatactaag aatgaggtca     480
atgggaccag ttgaagacat taaatctgaa ggtgacactc agtncaatta aaactgatct     540
gattnagacc tcagatcaga cagaggacta ctggttcgaa gattttttgga anaatnctga     600
ngaacgggat aaagtgaaga tcgnncnttt aaaaaaatga ggttgaaaag aaagctatna     660
gtggcattna aaaagtntta agctncantt agttttnttt attattatta ttatttaaaa     720
ggttaatttc aaggacttga tgttgacctc cngatttccn gaacatgtgt tnaatagttn     780
ttattcccct tgg                                                        793
```

<210> 4278
<211> 903
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(903)
<223> n = A,T,C or G

<400> 4278

1367

```
ggtttntttn tttgnngntt ttgngcnttt tnaggcgtnn tntctgatcc ccgctaattg      60
cattcggncg ngctncccta cagatantgc atgcacnttg nagntaattc agtgttntta     120
acngntncat antntatcaa gcngtncatg aangtgtngt natnaaatgt ctatgtatct     180
ntagttacat tcaaatnngn aactttataa acatgttnta tgcttgagga aatttctaag     240
gtggtagtat aaatggaaac ttttgaagt agaccggata tgggctactt gtgactagac      300
ttttaaactt tgctctttca ngcagaagcc tggtttctgg gagaacactg cacagcgatt     360
tctttcccag gatttcacaa cttttnaagg gaagatnaat gaacatcnna ttctaggta      420
tngaactatg ttattgaaag gaaaaggaac actggtgttt gtttcttaga ctcatgaaan    480
ttaataatta tgaangcaat gaaaaattaa nttgaaacat taaantctnc ntgacantng     540
gaatnattcc tttgccactt tnttgcatta atttcagaan acnattccgt nnnttnttcc     600
antntngcna acccattnt ncctggatnt tgngccatan ttttgacntc ccggntntna      660
ttcannatnn ccttnncccg gtaatcgnnc antttgggan atctgnnant nttaaaatat     720
gncntttata tatanttaat ttctttcann naaanttctg gnataggcct ggtnatttan     780
antnnnttnt tatttgnngg nanancnntt tatcgtntan aanatttaac cncttnntnt     840
tttctgnngc cctttcgta taaaaacctt cntntatntt tnnngacaat nttntntttn      900
nnc                                                                   903
```

```
        <210> 4279
        <211> 866
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(866)
        <223> n = A,T,C or G


        <400> 4279
angcagagc ccacggaatt tncatgcctt tatcgagncn gcncccgcgc ggannnaaac       60
agcnggacnt gccncacgag nggantntgc ncttttttt gggccgncca nntcccacag      120
ncngangggg ggttaatnnc ngaacgctgn agaatannta ttgatgagca ncngagaagn     180
aacatgnnca tggccaccag gcncgnccac tcacngcaaa agtgaccaag ccagcangtc     240
acccttaact ggcagaaacc aanatcaggg nggnagnccg gacttnaaat gcnnagaaac     300
ctgtnagtga tggaaggnna agaaaaattc agnatggana anaanaatcn gggcacncaa     360
acaaattcac tganaantcc anaagnctat tnanaaacaa gatagcnatg agtncanatc     420
natccnantg gncntntaat nntacaacca anccttaacc ttccactcta aagggaagga     480
atactangaa tggattacnt ttccgggta nnataaancn ggggnantaa atgatnangg      540
gaaancccaa aanctacccn nnantcnang gantntggaa tnccttactc ttcatcaaga     600
ncatttccag nttctaaggg gacccctta cnaanttnaa aanggattcn annttggcnt      660
ctnaagnggg ntcgcccggc cccnaaaaat natnataatg gaccnggggn tcaaangnan      720
ctnacnggaa aaangaaagc ccggnaaagg accaggcntt tccaaggaan gaagggaaaa     780
tncccncgaa anccccggga ataaanctca angggttac acaaaaaagc catccccncg      840
aattaanccc aaaaaattgg gcagcc                                          866
```

```
        <210> 4280
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G


        <400> 4280
gaancactcn tnatcgnttg caggatccct cgattcgaat tcggcacgag gctgggactg      60
```

1368

●

●

```
acagcctgca gggtttcctt gggcgcggcc ccaaaattgc cttcaaaaca aacccgggac    120
ggttgaaagc cttcgaaccg tgcangggat gcctcgggcc ctggcccttc gcttcctctc    180
ttgtgttatg gaaataaaaa caaataaaac tacaaaaaaa aaaaaaaaaa aactcgagcc    240
tctagaacta tagtgagtcg tattacgtag atccagacat gataagatac attgatgagt    300
ttggacaaac cacaactaga atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg    360
ctattgcttt atttgtaacc attataagct gcaataaaca agttaacaac aacaattgca    420
ttcattttat gtttcaggtt caggggaggt gtgggaggt tttttaattc gcggccgcgg    480
cgccaatgca ttgggcccgg tacccagctt ttgttccctt tagtgagggt taattgcncg    540
cttggcgtaa tcatggcata gctgtttcct gtgtgaaatt gntatccgct cacaatttac    600
acaacatacg agcccgggag cataaagtgt aaaagcctgg ggtgcctaat gaagtgagct    660
aactcacatt aattgcgttg cgcttaattg gccgcttttc caatcgggga aacctgtcna    720
ngccanctgn attaatgaat cggncaaccg                                    750
```

```
        <210> 4281
        <211> 1094
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1094)
        <223> n = A,T,C or G

        <400> 4281
cctntnnncn antanantac ananntnntt cacncncant ntaatantnt cctntctanc    60
tctcttanan tttacgcnna catatncncn nnnctnatct tctncanatt ttananatat   120
acctnannct ccatncanna ggtngtnacn nnggataaat nggggngntn gtaangagng   180
ctnatcnaac tactaggttg gaatnaattc ctnccnttnt tctnactnag ntnaatcatc   240
gtacgaggaa aaaacaaagn antancttan gccttngaca aggatatnag cacctaatgt   300
actnntaagc ttaacctggn ggnaancccn natanncgta aantganant annnaatgcc   360
acangtgnag ntntgcatcc cctgaaannc tnanaacaaa tgnntaanga ntatgnctgt   420
cttaantatt ctttcactta nttagttcna ctgcanaccc ccatcctgnn aggggttatt   480
cggnagttaa ggtactttca taagttntaa acanaatgat atntgntatt acgntaacct   540
ttctcttgat gacaatgana aananaagcc agtttccaca gaagactana naannannng   600
ttnggggtgn tcctnctggn ngntatcnnt tnttgccana cttttcccnn cattttaaaa   660
nngtnnaaca nttnggatcn tttcattntn nctttcggta aannttttaa tcntcntnac   720
naattggaan canatatttn nccaantnn ncctttaaaa atcttttagc caacancttc   780
ttctannnaa antngnaana accctntnnn atactaatga aannntgnct attatnctna   840
cnttgtttaa aanaatcnta ttcttngnga nacccnantt attcnggttt cnccccnttt   900
nncttnncna nangcntcnt naantgnnca caatancggt ctaaanctgn gnatncacan   960
nttcacctta cccttacnta ntnantntnc ttgananant aantaggntc ctcttagcct  1020
caaatnaaaa taactttnnn aacntntata nctntgcaaa cntntttncc anncntnaat  1080
atccaatttn cncg                                                   1094
```

```
        <210> 4282
        <211> 1247
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1247)
        <223> n = A,T,C or G

        <400> 4282
nnggatnncn cgcgtcnncg cnatgtgcna nnaacacnan tgtgtgntgg ngcnctngtn     60
```

```
ttttacngnt gatnacnnag atnttnttnc tcccnggnga cgattgnaat cctanacaga    120
ctacttgttg ctntttgcag gtacccatcg attcgaatnc ggcacggagg cnancannnn    180
tngggacnng gnttaantgg cgncgnnnnt nnnnacnana gggnacgnan annnttcnta    240
acaccttnnn angttaatnn actntgcagc nntannnnct ccntaanngn nngtancngn    300
nntnaggntn nnngcagtna cnaantangc tacagnnnac gntnaaatnn ttngnnnnnn    360
naaaantgan ggagncaaat agtgntngnt gnanncgttn aanatnnggn cagatnggtc    420
atnnggnnnn tnnttnatnt ggnaacntan ttngnnantn ntgngtnnag catnngnnag    480
natnntnata tntntaactg ntntgaccaa atncatnaac nnaattactg nanganaanc    540
ngccnntntt ntnnntatng ntancnagan ngtgagggcg nngnagtgan gatgtgtaga    600
annagntnng aagtnatgcn acacgtttat atgtnncntn tatcagngga ananngacnt    660
ntanngnttg acngnnntnn ngctaaagan aanaggnnna gcgaganngn agnnntcogt    720
acagantccc ncnaantgtn ngnccgncga anaatcnata taattcnnta tggttatcnn    780
tgtaggggcg ttcnacacga tnaattatac tnacgattcg tangttnctt acncaatanc    840
gcncgctgnn anannnntcn anntcgcgaa actatagtan cnncgnnagg gnaaagatnc    900
anngngtacg caattaaana cnangcantn nntgnnggan atgtacgtaa ccatantgnn    960
tacntactan nntacatgng ntntatnttn tgncgatgat atcgtanant atatagtncg   1020
antgatntat natnctctac tnatagantt gtatntnnac anaagatnaa tatctacatn   1080
tantancana gatangctgc aaatnactgg ngnacacntc atanataana ccnncaanan   1140
tgcgannnat catnatagag tgactntatt atannaaaaa taaccantnc gtganatnga   1200
nnntnaatnt acgtggttng atgatcgcta cgtanaaccn cngnncn                 1247
```

```
        <210> 4283
        <211> 847
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(847)
        <223> n = A,T,C or G

        <400> 4283
cctgctgtng ggnanatana ncgtgctcnn tttgtacttc cccgnatgnn ccatcnacnc     60
gacgagccta acgcttgtca actngnggga tcnganttng agantgactt tgtgncatnc    120
ntgantanan ctgtangttn gtgaaancca nactacnnng cctcngnctc atcacctctt    180
acacattccn nanantnncn cagtctnnan aangagncnt ngatnannaa naagagnctn    240
tgnannaaca ggnntnnnaa gcnngnnnnn actnanagcn tgngaantga ncgnnnnctt    300
ggtctgngtc cggtaagaag acancantng cncanngacn ggnnanncgn caggccantn    360
aangnagcnt gcgntnannt tnnatgaagt tgagnatggt naacnnaatn tcnaacngnn    420
ctntgtncnt gnnngnnaca cntgcctgan aancntanan ancnngnant agantncnnn    480
aacncngatc ttatanncac tttggaanaa gcactnatcn cctnacnggg catcctnttt    540
gagancagga canctgttgn nggacgccc catgacacng gcccagaana ctccgggttn    600
tttgnntttc agcnnnaaan ggcgaagtga tttcctnttn cntncngngn acncatnggc    660
tcatgnnccc cctnaaannt nnttanngnn cntcgntana caccctnnat ngcnaanggc    720
ccaangntnc nanttcgcna ccntttacca tnaaggatat taccnnaacc gtgccctttn    780
gantngccag ncnattggnn ntttnnttgn accatttngg naaagggca  aantntttan    840
ncgtcnc                                                              847
```

```
        <210> 4284
        <211> 761
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(761)
```

<223> n = A,T,C or G

<400> 4284

```
gncntttgan ttcatataca agctacttgt tcttttttgca ggatcccatc gattcgctgc      60
agcgtctggn gtttncnttg cagncctcgg aaccagnacc tcngcgtggc ctacagagtt     120
atggcgacaa naggccgtgt gcgtgctgaa tggcgacggc ccagtgcagg gcatgatcna     180
tttncagcng aaagananta atggaccagn naacgtgtgg ggangcattn aaggactgac     240
tgaangcctg catggattcc atgttcatga ntttngagat aatacatgag gctgtaccan     300
tgcaggncct cactttantc ctctatccan aaaacanngt gggccaangg atgaanagag     360
gcntgttgga nacttggnca atgtgactgc tgacaaaaga tggtgtggnc nnatgtgtct     420
attgaagatt ctgtgatctn actctnagna gaccatttgc ntcattggcc cgtacactgt     480
tggtccatga naaaagcaca tgacttgggc aaaggtggaa atgaagaang tacatngaca     540
ggaaacgctg naatgatttg gcttgtngtg taattggnat ccccnaataa acatcccttg     600
gatgaagctt gaggcccttt aattcatttt ttnantccng nnaccttgtt aantggnacn     660
tggaacactt aacccctntnn tttnntaaaa ggagaaanng tnttntnttt nanangagtt     720
ttttaanccc cttggtcgan aaaanttnnt ttttnatttn t                         761
```

<210> 4285
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(805)
<223> n = A,T,C or G

<400> 4285

```
tnnctaatan nanaatnctn cttnttgntc tntttgcagg atcccatcga ttcganntnc      60
ngangaggag annctgtcgg ncatgtggtg gaancnggnt ncggacntgn catngncntg     120
tgccntgtna actacaggca ctgncnnttt ggaacaactc anggcattca tgcaaggctc     180
atncctgtgg nannaanngg gactaacatt attggtgcgg ctnccnaagc atggtntcnt     240
natggatgna ttctgtccct gtgncnntga tannntatna annnactgaa gatnncnatn     300
aagttaaatn taaagagnat ggcntatnaa cngatcaggt angganntac nntggcaacn     360
cgagacactg tnngtncaag agcgcnntgn ggcntgctca ataactngng ccacaggcna     420
cacnataatn tactctatan atgcnctcaa tacnccggtn acnntnnnna ggacngntca     480
ttattangcn ctcctggact gnaccgnact tgtctctgna cagngatnnn ccncgtncct     540
tanaaagnag ttcctacnaa acntgntang cattatanan gtatgcctgc attngaactg     600
nacgtctntg agactntcaa taacgtggtn canttgnnat tncaagccac ntatttgagn     660
gataacnntg gcgantgatc atncttactn ggcccttaat gttcncannt tgcantnagc     720
tngccntcca ngaaaacctn gttttcccgg ttggganata aaaacnggga ncctggaatg     780
caatggnaaa aanccgntta gaann                                           805
```

<210> 4286
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(805)
<223> n = A,T,C or G

<400> 4286

```
tnnctaatan nanaatnctn cttnttgntc tntttgcagg atcccatcga ttcganntnc      60
ngangaggag annctgtcgg ncatgtggtg gaancnggnt ncggacntgn catngncntg     120
```
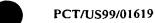
1371

```
tgccntgtna actacaggca ctgncnnttt ggaacaactc anggcattca tgcaaggctc   180
atncctgtgg nannaanngg gactaacatt attggtgcgg ctnccnaagc atggtntcnt   240
natggatgna ttctgtccct gtgncnntga tannntatna annnactgaa gatnncnatn   300
aagttaaatn taaagagnat ggcntatnaa cngatcaggt angganntac nntggcaacn   360
cgagacactg tnngtncaag agcgcnntgn ggcntgctca ataactngng ccacaggcna   420
cacnataatn tactctatan atgcnctcaa tacnccggtn acnntnnnna ggacngntca   480
ttattangcn ctcctggact gnaccgnact tgtctctgna cagngatnnn ccncgtncct   540
tanaaagnag ttcctacnaa acntgntang cattatanan gtatgcctgc attngaactg   600
nacgtctntg agactntcaa taacgtggtn canttgnnat tncaagccac ntatttgagn   660
gataacnntg gcgantgatc atncttactn ggcccttaat gttcncannt tgcantnagc   720
tngccntcca ngaaaacctn gttttcccgg ttgggganata aaaacnggga ncctggaatg   780
caatggnaaa aanccgntta gaann                                         805
```

```
<210> 4287
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 4287
gnccnttttg aattcanata caagctactt gttctttttg caggatccca tcgattcgct    60
gcagcgtctg gggtttccgt tgcagtcctc ggaaccagga cctcggcgtg ccctatcgag   120
ttatggcgac naaggccgtg tgcgtgctga agggcgacgg cccagtgcan ggcatcatca   180
atttcgagca naaggaaagt aatggaccag tgaaggtgtg gggaagcatt aaaggactga   240
ctgaaggcct gcatggattc catgttcatg agtttggaga taatacagca ggctgtacca   300
gtgcangtcc tcactttaat cctctatcca gaaaacacgg tgggccaaag gatgaagaga   360
ggcatgttgg agacttgggc aatgtgactg ctgacaaaga tggtgtggcc gatgtgtcta   420
ttgaagattc tgtgatctca ctctcaggag accattgcat cattggccgc acactggtgg   480
tccatgaaaa agcanatnac ttgtgcanag gtggaaatga agaaagttca aagacaggan   540
acgctggaag tcgnttggct ngaggtgtaa ttgggatcgn ccaatnaaca ttcccttgga   600
tgtagtctga gccccttact catctggtat cctgctagct gcagaaatgt atcctgataa   660
cnttaacact gcatcttaaa agtgtaattg agtgactttt canagtgctt taaagtacct   720
gtagagagaa ctgattatga tcactt                                        746
```

```
<210> 4288
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

<400> 4288
nnatatnang gnnnctnntt acttgctctn tctgcaggat cccatcgatt cgagaccaac    60
ccgcctgcag gaggctctga acctcttcaa gagcntctgg aacaacagat ggctgcgcac   120
catctctgtg atcctgttcc tcaacaagca agatctgctc gctgagaaag tccttgctgg   180
gaaatcgaag attgaggact actttccaga atttgctcgc tacactactc ctgaggatgc   240
tactcccgag cccggagagg acccacgcgt gacccgggcc aagtacttca ttcgagatga   300
gtttctgagg atcagcactg ccagtggaga tgggcgtcac tactgctacc ctcatttcac   360
ctgcgctgtg gacactgaga acatccgccg tgtgttcaac gactgccgtg acatcattca   420
```

```
gcgcatgcac cttcgtcagt acgagctgct ctaagaaggg aaccccaaa tttaattaaa      480
gccttaagca caattaatta aaagtgaaac gtaattgtac aagcagttaa tcacccacca      540
tagggcatga ttaacaaagc aacctttccc ttccccgagt gattttgcga aaccccctt      600
tcccttcagc ttgcttagtg ttccaaattt agaaagctta aggcggccta cagaaaaagg      660
aaaaaaggcc acaaagtnc cttttacttt cagtaaaaat aaattaaaca gcagcagcaa      720
ccaattaaaa tggaattnan gaaccaatga aataatnttg ng                        762
```

```
        <210> 4289
        <211> 1563
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1563)
        <223> n = A,T,C or G

        <400> 4289
gngaannaaa ggaacgaccg gnaaaaangn naccgcggcg nncacngacn gnnaatacnn       60
ngcgacggnn cgtgnaaaag nggngaggcg naagtgggcn naaataaana aaacgcggcg      120
agagcancng nngaactann tngcagaaga gatggtnnan gcacggagng gnccgttttt      180
gaaaaccncc tcggtncaan gccccncgga naaatngtac gcgtgngtaa gaaaggccng      240
nnaccgtgna aantcgtgcc gnntggagcg agcgnagaaa anncaagtgc naagacgacg      300
aantttttgt gncncagtg ngaanannag gtggcnnacg ngggnggggg ggggntngna      360
gangngaatn gtnagngnan gntaaaaanac ncgcgngnng dacacaaaag anggananen      420
natgnggnna gagaantnng gtaacgnng nnaggagaag cgnnngnana ggngnaggta      480
tngnangagc gnancanngg atncgaggga aaagcggngc gagaaacatn nntnacgaca      540
atggngcgag aggaaacgnn gcngcggaan nnnaaannaa ntagagagan acnngnagnt      600
ggnananaaa ngnggngnga ggaanngnn nngangaga tagagncacg gggcgtgana      660
nacaaacaga aagtgacgtg nnatagangn ncgnaacntg nangangngg catannnngg      720
gananagata anntccnaga tagagacgac ggggcgcnta nngnnnnaga ttgncggaca      780
ancgctgatg cgtcnnang ntgagagaaa gcgangncan ctcaggggggg ggaagggnng      840
tgtagngagc gnacncaaat ggagaaagaa cggtggaaga caacgacgcg gngnacacac      900
gntngagacg tgggcaaaca nagcncangn tnantngagt gngncgatgt aagtgacntg      960
aaacatacna nctcggnngg agggnataan aanaggaatg ngnggnangc gaaganaagn      1020
ntntncgtaa anaactagan ggncgcanaa nnnggngagg cgaagacgat gannnangan     1080
aaaggnggat cnaacggann nncgnatgcn attntggcnc acngtaatat atggannagc     1140
gaggacatng gcgnnngaga angccggaan dacggaagat agaatgnaan attgnggggga    1200
gngnnagnaa tgaacgnnna ngacgngcag gtttgngagn ggagnangaa ggggagggac     1260
gacgagggtn gtagnggag nggacgagtg ancgcngagt gagatncaag gacgaagana     1320
nacnnnggng anncgtagnt cgcgataacg nnataangag nnanagngga nncanatacc     1380
gaanncnaga nncacgtgnn ganntgcaaa aaaagaacg ggntnggcan gacgatgcgg      1440
nnngagaagg ganaaatnac ncagggaann tgggnngaac nncaatangn gtncnangcg      1500
gaaaaangng ngataaggna anganggata gcnancgggn gacnanngtn ncnagngaag     1560
ccg                                                                    1563
```

```
        <210> 4290
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G
```

1373

<400> 4290
gaagtngctc ttgttctttt tgcaggatcc ctcgattcgc tnacgtgtcg ncggggcggt   60
cgcagacttc agggtnctct aacggagagg ccaggcnccg cgtggccnga caactncctg   120
nccgctcctt cagcaagtga ctgtctntnn cactncttac ctgctgaang atctngctca   180
gcngctggaa caatgctgct gtnacacant ctcnnctntg cnacttnagg atgctncttg   240
gtcaccaggn antgggganct gtagaccngn cgcatgcact tncncnacat tcactgctga   300
ctggcttanc tgnnatangt tcnagngacc gggacttntc ttanagtcag nagccctcnc   360
aactacntca taccntcgca tctgannatt ttcacagagg nnttntcttn gaagnngact   420
tggcaagnct tacaagttga tnnatngnna ttggnaantn cntttcttca aatgctaaaa   480
ntcatgtcct cataaatgca antgatttta gancacaann tccccatgta cannttccat   540
tanttaaact agaccaatgt gtacgggtca tttgnngtat tgnggaacat cnnngttact   600
ggaaangact attaanattt cacagatggg cttnatcaan ttgctangaa ttgngtctnc   660
taagtgtagt taacttgcag aatccaactt aactncnagn nnaantttca aaactgatnc   720
tgtgaatgga tggggancat cttaactntt ng   752

        <210> 4291
        <211> 881
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(881)
        <223> n = A,T,C or G

        <400> 4291
annnnnnnnn nnnnnngnnn nnnnnngggn nnnggnnnn gnnnnnnann nnggnnnnnn   60
nngggnnnnn nnnnnnnggnn nnggngncng atangnagac ccgttnatac aacgacccac   120
ggancggann cggcacgaga agcngcnagg gccaggngnn aannnnanag gnnnagnngg   180
acncngnnan gaaaaganag gnnaggggng ggcgacaggn nganacagnc nnagaaaaag   240
caggnannag caaagnangg gaaagcnagc gggcangcnc gcnaaccngg ggaacgnccc   300
cnnnaacacn nncnaaacnc gngagccncc nnnaacgaag gaggaggagg agcaaaccnn   360
nnccngggac gganncagna agagggccag cgcccangga naancacaag nanganagcn   420
ggaacnggcn caaanacngc agcaaagnca gcanaganac gcaaaggnac aaagannnng   480
agccaggcan nagncnagac acagnaaggg aacagacaga naggcanncg aggccnggaa   540
ggagcgnaca anccgngngg nnnnaaagcn aaangnanna aacangagcc anncngaggg   600
angacagcca gnannaaaca naaaggccgc acgnacacag cagcgnngcn aagcgggagg   660
agccnaaaan aacanangna cggnnggccc ggcnacagng gccacgncnn cggggncen   720
ggcncccaag gggagggccn aaggggngg gnnngaacnn cccgnggga cnanaagngg   780
ggncncncca gnccggggnn aacccgggng ggaaacccca nccncggagn gnaaaaaggg   840
cccaaaanng cccagnagga aangnngcng gggcaaaacn g   881

        <210> 4292
        <211> 786
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(786)
        <223> n = A,T,C or G

        <400> 4292
aangnnngng ggnntgnttt nntggntggg ntgttattcn tggcgctctg gctacttgnt   60
nnatttgnat gnatncgggc gntncgannn gntgtnctgn gttnnatctt ntaaatngct   120
tgtccttatt atgttgttgn ttaacanctt aaacgctanc tctagaccag gaataattat   180

1374

```
ttgctatata ttacagcaaa aaatatgtat gtntaaatgg actcattcaa gaatatataa    240
gngaactcct attacaaaga aattgncaaa cagcccagta tatnaatgaa tataaaaatt    300
tgagaagata ttttncatng naagatntcn aantgaacat tnggcatgnn aaaaccaaat    360
tttaggatat nactacacac tctggnctag tttaaaagac tganaatatt aagtgtgtgg    420
naatgtnnan caantggaaa tggcctgcat ntngcatnga aatgtaaaac antacatata    480
ctntgcaaaa ctctgtccaa cattntctac ccattnacca agcaactnca tcncctagct    540
atanataccc agggaaaata agtanggtat cttcacagaa atnattgtat gaagaaatat    600
tcatagttac ttattgcacn tgtcagttat cangtnaanc tgtctcncat cnggaaaaat    660
gggatatcaa aattggtgtg gataatnaat acaancaatt agggatatta cttggngcna    720
aacaaaaaat gaanacangg ggaaaatnca cattcaaacc aaantangtg gcatattata    780
cccacg                                                              786
```

```
        <210> 4293
        <211> 866
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(866)
        <223> n = A,T,C or G


        <400> 4293
angcnagagc ccacggaatt tncatgcctt tatcgagncn gcncccgcgc ggannnaaac    60
agcnggacnt gccncacgag nggantntgc nctttttttt gggccgncca nntcccacag   120
ncnganggggg ggttaatnnc ngaacgctgn agaatannta ttgatgagca ncngagaagn   180
aacatgnnca tggccaccag gcncgnccac tcacngcaaa agtgaccaag ccagcangtc   ·240
acccttaact ggcagaaacc aanatcaggg nggnagnccg gacttnaaat gcnnagaaac   300
ctgtnagtga tggaaggnna agaaaaattc agnatggana anaanaatcn gggcacncaa   .360
acaaattcac tganaantcc anaagnctat tnanaaacaa gatagcnatg agtncanatc   420
natccnantg gncntntaat nntacaacca anccttaacc ttccactcta aagggaagga   480
atactangaa tggattacnt ttccggggta nnataaancn ggggnantaa atgatnangg   540
gaaancccaa aanctacccn nnantcnang gantntggaa tnccttactc ttcatcaaga   600
ncatttccag nttctaaggg gacccctttta cnaanttnaa aanggattcn annttggcnt   660
ctnaagnggg ntcgcccggc cccnaaaaat natnataatg gaccnggggn tcaaangnan   720
ctnacnggaa aaangaaagc ccggnaaagg accaggcntt tccaaggaan gaagggaaaa   780
tncccncgaa anccccccgga ataaanctca angggggttac acaaaaaagc catccccncg   ·840
aattaanccc aaaaaattgg gcagcc                                        866
```

```
        <210> 4294
        <211> 787
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(787)
        <223> n = A,T,C or G


        <400> 4294
ggnnnnnnnn cnggnttnnn nnnttgcttc tnagccttng catttgactc ctgcaggatc    60
ccatcgattc gaattcggca cgagctttag ttcagataaa ggaaacatcc aaaaatactg   120
agatgagtaa aattttattc aaagtaggtt cctgctttgt cttgatctca atccattcta   180
actcctgatg tcatttaccg tgtgagatct tagtacaatc atgaaaagaa tatgagcatt   240
tatcaaaact ctctgacatc tgtatgttta gaaatgaact tacacagcaa aatatgattt   300
ccttgcactt atttaatttt tctaacttca atttctacct atgtgtctct gccagtttga   360
```

```
cctgattcag acacccagaa cttgaataaa gaagccctct tctattttca ttcttaatga   420
atataccttt tcccatgtcc acattgagcc tcccttctgt gtactctgct aatgcagcca   480
catgtctagt tccccctctc tgcaccaccc tcacttcttc tttcccatct tcttacttct   540
ttggtgtgac ctctctgtag gacaacatgc catttctgat tccccacaca cataccctat   600
cattgatacc taccctcang gattagaatc tggctagtaa tttggaagag cccatcaagg   660
ctttagtaaa gtattggact ggnaagtcaa cacccattat ctcatcaaaa gggatgctgt   720
gttgggggca nanggagaga gagagagaga gaccganaga gagacagacn gagagagaga   780
aaggaat                                                            787
```

        <210> 4295
        <211> 795
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(795)
        <223> n = A,T,C or G

        <400> 4295
```
ggnttnnnnt nntgccttan aagccttgcn tangatgccn ttnggatccc atcgattcga   60
attcggcacg agggaaccat gagaaccgaa gctagaattg ctattgaatt actttatttt   120
ctcttccctt attgggtaga gatacatcat tactggcctc aggggtttac ccaaagaaag   180
ggtatttttg agcaaataat gtgatttcct ggctattttg ttgggggctt aagatttttt   240
tttttcaaat gcattttttag tcactaaaaa ttaactgtcg taccatctag aactatactg   300
tccagtacca tagcctctag ccgtatgtan gctatttgta ttaagattaa ttgaaatttt   360
aaatccagtt cctcagtcac actagccact ttctaagtgc tcagtagctc tgtgtgacca   420
gcggctactg tattggatat tatagaaggt tctttcattc aagatcatca ttcttgacag   480
acccataaat atttcctata aagactgtag aagtgtgttc tggagggttt gctctccaaa   540
aagaattgta atatagagta gaattgggat agagtattga anacactggg tttagacatt   600
ggatatttta aatgattgng gtgttcaatt catgtgctgc ccaactggag ttatctagtg   660
gatattgacc ctcactggct tgaccaaaag cccggaatag aaaggcaggg aattcctgaa   720
attctaatct taaaaatttg gcaatggaaa aagccctttt nccctaaaat tantcccatt   780
nttgtaaatt ccttg                                                   795
```

        <210> 4296
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 4296
```
taagttgctc tgttcttttt gcaggatccc tcgattcgaa ttcggcacga gactggagtt   60
aaggaggtag atgacttctt tgagcaagag aagaacttcc ttattaacta ttacaatagg   120
atcaaagatt cttgtgtgaa agctgacaaa atgaccagat ctcataaaaa tgttgccgat   180
gactatatcc acaccgcagc ctgcttacat agcctggctt tagaagagcc cacagtcatc   240
aaaaagtacc tattgaaggt tgctgagcta tttgaaaaac taaggaaagt agagggtcga   300
gtttcatcag atgaagattt gaagctaaca gagctcctcc gatactacat gctcaacatt   360
gaagctgcta aggatctctt atacagacgc accaaagccc tcattgacta tgagaactca   420
aacaaagctc tggataaggc ccggttaaag agcanagacg tcaagttggc tgangcacac   480
cagcangagt gctgccagaa atttgaacaa ctttccgaat ctgcaaanga agaactgatn   540
aatttcaaac ggaaganagt ggcagcattt anaaagaatc taattgaaat gtctgaactg   600
```

```
gaaataaaac atgccangaa caatgtctcc cttttgcaga ctgtattgac ttgttcaaga     660
atactgatat gccttcctca gaagaaaaga aatgaatgtg aaagaaagcc agcctcactg     720
ccttaaatca ttacccggaa                                                 740
```

<210> 4297
<211> 1191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1191)
<223> n = A,T,C or G

<400> 4297
```
cccgcatata aanananacc cngngnacna annacacacc cannaanana taatanngcn      60
ataagnnnac anggggggaac aggggggantan ggncgaatga ngacnncaat tnacaggnat  120
ttaattccaa nncnntnana ctacngnccc nnanatcnna cgagnatnca ncccaagnag    180
nancngacan tcagangagc gtnntacaan nacngcaann acnngaccag ncnggancga    240
taanggggggn caaancanna nttccangga tcangcatag tacnaccnct gaatnggtac    300
cattncnact ttacncnnga cnaacaagta tccctgntgg cctnaaaatn caagttgaaa    360
atnaantcng aantctncca gancaaanan gacatncann ccnatnnntt anantacnaa    420
ntatcnaatg ntanaaatcc atggnnaaga cataaaaact nncagctata naaananctn    480
ntaaanggct attnggatnt aaaaaccana tnatnnnacc ntncaacnac ctannnntna    540
agaaancann tnnncaanaa ntacnancca atnnncagan ggacgnnaaa tgnnnacant    600
cangaaattg aaaccngana agncccnatn naangnntta aaaacntcag cggcaaatcc    660
cncatnccac naanggnntn ncggaaaang gnnnntaact ggntaacncc natantntaa    720
aacgggaacc atcgccaatg cgtncgctan ccaacanann taaancgatc nacannacca    780
cagnnncnta ttnaagaatc tnganannca cacttacnna ttcaaatagg ngncntnnnn    840
tgnatatnta ncnnatnngc cacatctnat ntatcaccnc annctcanng ntcnnacanc    900
atggagagca tntcgngana caancgngtg annancacat cncancanng cgaaacncca    960
natatntacn tgggtantca ncgcgnaact gcgcgcgcgn agnatnagat cacattatnt   1020
gatactacag ctaaanngac acacattaca nngtntntac anaaatactn tacnntcnan   1080
acncnntaca cacaaaaatt acctcanagg gaganannta catatctnaa aacanccccn   1140
anantnancn naaaagactc cntacgcgna nanagtgcgc tctcgnaann g            1191
```

<210> 4298
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 4298
```
ntncgtttnn ntanaacntt gntctttnan tctgcaggat ccctcgattc gctaacaagc     60
gattctaaac cacctatgag tatttctttt agggctcact taaatacatg tttgtatata    120
ctgtattcta gccagaataa ttttagatct gatcaggtag tagctaaaat tagaaaaaaa    180
caaaatagat gcttaaagaa tttgcatcca ttttttgagtc taaatctttt aaaatatact    240
gagatccaca tctagtgaaa tgtcagtgtc aaaatattat agattatagc taaaatccag    300
attaatactc atttggggggtt ttttatagtg gaacttcata gtaatacaaa aagcagattg    360
tcttcctgtc tccgctgctc ccacagtagg tattgaaact ggtaaaatca gttttttgat    420
agtgtgtgta tataagaaaa aatagataca cacattcttt ttctcagtc aacacattga    480
ttgaacactc tggcaaagat gctgtggtgg atgaggttgg agttcgaaag aagaagcaag    540
```

1377
```

```
cgctggcctg ccttgaaaga accgaagtct ttcccattca cttctctaga aagctgccaa    600
ggacagaggc agaaagaatg gatgaaantt ctgtcaagca cacttctggt ctcttaaaac    660
ttagaagtgg ttctaanaga acagaagtat tagagaaaca gttcctgtgg aatcacatct    720
ttgggtggna cccattgctt tttttctggt tga                                753
```

```
        <210> 4299
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(753)
        <223> n = A,T,C or G

        <400> 4299
ntncgttttnn ntanaacntt gntctttnan tctgcaggat ccctcgattc gctaacaagc    60
gattctaaac cacctatgag tatttctttt agggctcact taaatacatg tttgtatata    120
ctgtattcta gccagaataa ttttagatct gatcaggtag tagctaaaat tagaaaaaaa    180
caaaatagat gcttaaagaa tttgcatcca tttttgagtc taaatctttt aaaatatact    240
gagatccaca tctagtgaaa tgtcagtgtc aaaatattat agattatagc taaaatccag    300
attaatactc atttggggtt ttttatagtg gaacttcata gtaatacaaa aagcagattg    360
tcttcctgtc tccgctgctc ccacagtagg tattgaaact ggtaaaatca gttttttgat    420
agtgtgtgta tataagaaaa aatagataca cacattcttt tttctcagtc aacacattga    480
ttgaacactc tggcaaagat gctgtggtgg atgaggttgg agttcgaaag aagaagcaag    540
cgctggcctg ccttgaaaga accgaagtct ttcccattca cttctctaga aagctgccaa    600
ggacagaggc agaaagaatg gatgaaantt ctgtcaagca cacttctggt ctcttaaaac    660
ttagaagtgg ttctaanaga acagaagtat tagagaaaca gttcctgtgg aatcacatct    720
ttgggtggna cccattgctt tttttctggt tga                                753
```

```
        <210> 4300
        <211> 850
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(850)
        <223> n = A,T,C or G

        <400> 4300
gctnntgacc annntanngn tnggaatcnc antcgctnna tngcncntng attcgaattc    60
ggcacntgnn gtctnnctgn tctgtgttgg caagggttag ttnccaagtg agcaagatng    120
ttccctncta acaggctccg acgggtgaac agtntgngtg ntatccatac ncaggcacat    180
gccatcggct tacagcangg tcctcaactg gtgcctgctg ccctggggg angaggcaaa    240
gctgtggctc ccagcaaagc agancaaaaa gagttcgccc atggatcgaa cantgacnag    300
tatcngcnac gccgagagag gaacatcatg gctgngaaaa agagccggtt gaaaagcaag    360
cangaaagct caagacacac tgcaagagtc aatcagctca naagaagata atgaacggtt    420
ggaagcaaaa atcaaattgc ntgaccaagg aattaaatgt nctcaaanga tttgnttctt    480
gagcatgcac acaatcttgc agacaacgtn cagtccatta ncacttgaaa aatttcgaca    540
agcagatggg ngncaatggc acggaccant tgacccttaa ccccttttcc aagacttta    600
naagcttgna ggctttggaa tggctaaaan ggtggtggac cccccggnaa cctcnntcat    660
tgtcancngg gcntnaaaaa ntttggccca tttntcccnt tgaacttcan nagnacccca    720
tttggtaggc ctattttttcc tgggggannn aaatccctnc aataanttnt nnnttnnncn    780
ttaaaanngn ttnnccnttn ngnattccgn attatccngg gnttttaaaa nggatnanan    840
ggnttttttct                                                         850
```

```
<210> 4301
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(790)
<223> n = A,T,C or G

<400> 4301
cnatcatctt tgnttctata ctcagcttgc ntgtanagna ngtccgggtt accgnncncc      60
anngtaccct atannga::tn gtantacaaa gagactnann gcnnttnaan ggccgcgtta     120
ctacananna cnnantngtn acncnctngn atcaccnanc ttaatctcct tgtancacat     180
ncctncttttt gccagctngc ntgatngcga agaggnccct accnatcgcn cttncaaaca    240
gatgnggcaa actgaatggc aaatggacnc gccctgaacc cncgcatnaa gcgctgttgc     300
tgtgcaggtt acccgcncag tnacccanta cacttnccan cgccctagcn cccttttcctt    360
ccttttcttttt tcnttacgta cnccnnatnt gcgnnggatn ntnnnantaa gctntnaatt   420
ttaggcttcc natacngtnc ntaantagng ctttaccgca cntngatcnn tnaaaantng     480
nntanggtna ngggtcanat accgtgccat acccttgtag accnttnntt nccnttgaac     540
gtngaagtan atcgttcntt aataatncac tcttggancc aaactggaac cananctcga     600
cccaatcctnc nggntatntn ttnggattta taaagngatt antgccctttt gtnnnaacta    660
ttggggcttg anatntgncc aanattttaa cgatgaaatt ttaaaccgcg aaattttaac    720
ncaaaaaatt ttaccgctttt ancaatgtta tttggaatgc ctntaaaccc cctttntann    780
tcnctccccc                                                           790
```

```
<210> 4302
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 4302
catatatctt tgattccntt naacccttnc naactacttg ttctttttgc aggatcccat       60
cgattcgaat tcggcacgag ccaacgatct gtatcaacca cgtcttcatt ttccttttcc     120
tgtttgnctt actctccccc caaaaagagt cagtttcctg ttttctcaat ttctcagttt     180
aaaattagag ccctatggca ggtgccatgt acagctgcaa aggtggcaag aagccctgag     240
aaagctcaag aacaggtcaa ggggggtgggt aaggaagatg ggacgttcaa gcagaaacaa     300
aaagaggagc taaaagtgaa agccaccccg ccaccagccc tcaccagtca caggtggaat     360
taaagaaatc tggcaaaaaa taaatttttgt tatccgtgct tggggcggtg acccttgacc    420
ccattcctat ttaaacatct ggattctctg ccataacatc ttttgccacc tatagctaca    480
ataaagtgtc gtcttggagt ctgttgtaca tttaacaata aacttttttgt naggaaagta    540
aaaaanantc tacagttcaa tgcaggatan ggatgggtgg gccttaattc aggaggtggg     600
aggctcaaaa tcaattactc tgtttganga gatggaatct nctgaatct caaaaangga     660
tttnctttta ngaatcatca agactcatcc cgacttcgtc aagtcttttc tcttgttggg     720
agttatggtt ttggnttta atttttngttt tggtttttttt ttttgggggg ggnaa         775
```

```
<210> 4303
<211> 940
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(940)
<223> n = A,T,C or G

<400> 4303
gtttcataca agctaactng gttttttta aaagccccgt ttccccaatc ggnatttgng      60
gtgcnactgc ggggaggggag anccentacc ngangnaccc naattgcggg ccacgggagg    120
gcgtanacac ttttnacngn gtanatggcc ggagnnggng nttttancca nattttantt    180
nntgggcncc ccgngtgctc tggtcagncc tttaagtggt tnaanangca cgngcctanc    240
ccctaantta aaatncccca gnanaanact nttgcgcnat naacatcact ganngtgtt    300
tctnatagta tgntntacac ctatnacant ttccctcaat antnattacc tgtagngcaa    360
gtggncanac ttnanngcag agtnaactnc anggngtttc tnaatnggnn natntcggac    420
ngtctngtan anttgacaac gnaaatatat dacgncnatn ggaaaatnat tgtngntatg    480
caaggcnttg cggngtccan cntantnctn atgttgaaaa tncganttat aactnntatg    540
angctgcttg ttnnatttga naancntttc ctaanntctt tganncgcna attaaanann    600
tngttnntga natnganagc ntaacacccg ctacaanatc tagnttgnac tnaatgntga    660
aaactccgaa cctctgngaa attcatgttt natttgatg aacngggcct ccaatntnnt    720
attcggnttt ntannnggac gnnacctgtt gatanngctt ttttctttn cntntnanng    780
aanaatnaac ctanntaact caaangcnct anttgatctc antaaaannc ngantgnaan    840
tncncattga ntttnaaagc gggntttant ttaaaanaac ntccctttg ggnctgtggg    900
tngttgncna cncnanangg tgnaaaattt ttttttttncg                        940
```

```
<210> 4304
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(881)
<223> n = A,T,C or G

<400> 4304
annnnnnnn nnnnnngnnn nnnnnngggn nnnggnnnn gnnnnnnann nnggnnnnnn      60
nnggggnnnnn nnnnnnggnn nnggngncng atangnagac ccgttnatac aacgacccac    120
ggancggann cggcacgaga agcngcnagg gccaggngnn aannnnanag gnnnagnngg    180
acncngnnan gaaaaganag gnnaggggng ggcgacaggn nganacagnc nnagaaaaag    240
caggnannag caaagnangg gaaagcnagc gggcangcnc gcnaaccngg ggaacgnccc    300
cnnnaacacn nncnaaacnc gngagccncc nnnaacgaag gaggaggagg agcaaaccnn    360
nnccnnggac gganncagna agagggccag cgcccangga naancacaag nanganagcn    420
ggaacnggcn caaanacngc agcaaagnca gcanaganac gcaaaggnac aaagannnng    480
agccaggcan nagncnagac acagnaaggg aacagacaga naggcanncg aggccnggaa    540
ggagcgnaca anccgngngg nnnnaaagcn aaangnanna aacangagcc anncngaggg    600
angacagcca gnannaaaca naaaggccgc acgnacacag cagcgnngcn aagcgggagg    660
agccnaaaan aacanangna cggnnggccc ggcnacagng gccacgncnn cggggggnccn    720
ggcncccaag gggagggccn aaggggggngg gnnngaacnn cccgngggga cnanaagngg    780
ggncncncca gnccggggnn aacccgggng ggaaacccca nccncggagn gnaaaaaggg    840
cccaaaanng cccagnagga aangnngcng gggcaaaacn g                        881
```

```
<210> 4305
<211> 891
<212> DNA
<213> Homo sapiens

<220>
```

```
<221> misc_feature
<222> (1)...(891)
<223> n = A,T,C or G

<400> 4305
annatccttc tgangttngt ctngctcttt ctgcaggatc cctcgattcg tnagtgtctg      60
nntgncaggn ccctcaaaga ttcctnggnc ttttcccatg tgnttgaaga agaantcnat     120
ngncnntcat tgaatcaaac tggaaaacct gctggcntgc tgctgacgac tctgnggcta     180
ncaaggtnct anactcnnaa aacatgangg tngtnaganc ctcnncgaga catnccaata     240
tctgctcctc agtggctttg cngnctcaga ggcctcanag cctgctgtca tgtggacctg     300
gatatgcagg tgatgctgng dactcttcaa aaagcccnac cactctgnga ttacgaatnt     360
acangacaga tganacacga acatgatgna aagcccacca tnaccnntan agcncttaaa     420
ccctgnccta gnncattcna tcnanggggn ttcntntngc tatattggta gttgcnnngc     480
ngacnatggt aaanggacna atnattcggg tgatgggact gnantgtgan cnggnnctng     540
naattanggg gccanncttc taggggngtc ccnncncntg cctntcnntc canaaatgcn     600
tanacgctgc ttntacctgg gaagngnatg gatgngnaaa gaaacnccnt nnnttggngn     660
ctttgccaca cnncnngggn aaacttttga gncannaaaa nacccncnta taaccanntt     720
tnccntccnc taaaaacttg ttacncncaa cntatnggca ataggnaaaa accccttttac    780
agggnaccgn aaaacctttg gcaacnccan aanntntgnc gttnggggaa aaaantacct     840
ttggcccgnt tttttacag nttngacnca aaaantttaa agggaaancc c              891
```

```
<210> 4306
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 4306
ntcnnncttt aancccntat ccttctcnaa acctttggaa cgcncnctnt ctncaggaan      60
cctcgctnna gatnctcacc tcttnnnggt ctngnntngt ctgcctacat tcccacagca     120
gacaaggttg anaatccatn gctgnaatct tggtattgat gagttncagt gatggaacat     180
gtgcttggcc acaggcaggt ccagtcactg caaaagtgac caanccanca ggtcacccтt     240
aacttcagaa acaattattg gtggtgaact gtacttaaat tgcagagaaa cctgtaagta     300
atggaaggtn aanaaaaatt acanaatgga aaatnatatt ttgggcaagc aaacanattc     360
actgagaatt ccaaaagtat attaaaaaag aagatagcta tgagttcaga tctatcttat     420
tggtctttaa tattacaacc aatccttaac tttccactat aaangaagga ttactanatt     480
gattactttc tgggtagata atctggtaat aaatgatagg gaaatcaaaa attactttta     540
tttaggagtt ngaattctta ctctcatcag acattttttt tctangggac ncttactaat     600
taaatgaatt taaagttgtt ccttanggng tcnttngccc ntantatatt tatnactgng     660
ttaatganta ntggaattnt gccggaanga cagnttcang aagaggaant cncgaancct     720
gataatctat gggttagaaa gcntccctgn atatcnaaaa ttgccantтt                770
```

```
<210> 4307
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(732)
<223> n = A,T,C or G
```

1381

<400> 4307
```
ggngggnttt ttnatatana cangctactt gttctttttg caggatccca tcgattcgaa    60
ttcggcacga gggccctcat ctccagctaa ctgtggagaa gccctggggg gctccctgat   120
taatggaggc ttagctttct ggatggcatc tagccagagg ctggagacag gtgtgcccct   180
ggtggtcaca ggctgtgcct tggtttcctg agccaccttt actctgctct atgccaggct   240
gtgctagcaa cacccaaagg tggcctgcgg ggagccatca cctaggactg actcggcagt   300
gtgcagtggt gcatgcactg tctcagccaa cccgctccac tacccggcag ggtacacatt   360
cgcacccta cttnacagag gaagaaacct ggaaccagag ggggcgtgcc tgccaagctc   420
acacagcang aactgagcca gaaacgcaga ttgggctggc tctgaagcca agcctcttct   480
tacttcaccc ggctgggctc ctcattttta cgggtaacag tgaagcttgg gaagcggaac   540
acagaccang aaagctcggt gagtgatggc aagaacgatg cctgcaggca ttggaacttt   600
ttccgttatc acccaggcct gattcactgg cctggccgga anatcttcta aggcatggtc   660
gggggaaaag ggccaacaaa ctgtccttct ttgagcacca anccnnaccc aancaagcag   720
acntttttt tt                                                       732
```

<210> 4308
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(719)
<223> n = A,T,C or G

<400> 4308
```
gnnccagctc ttgttctttt tgcaggatcc ctcgattcgc tgtattcaaa cttatgagag    60
tataaaggat ctggaggttg gggatatgac tgacaaggaa aggctgtggc cacctgatga   120
cccttccct ttttattaaa ccggacacac ctgtttccca tttcgctgta gtttagtttt   180
tggtttgttg tggttggaac tgctttgaga atcctgggat ttgtgctgct gctgttattc   240
aaagatcaaa ggagtaaaac atagttgctc ctaactttt tccagcagca gcaagtggta   300
ataaacatga aaactggttt gtagcagttt tgaaagaata gaatgcattc aaatgtaagg   360
ctgcttctgg atcattaaag ccagtttcat caaacagttc aacagagagc agcacttaat   420
accctttata cagcccattt tttcatagtt tcatttgttc ttgcccacaa gcttgaaatc   480
caggttaagg tatccagcct ttatcatata agcattgaca ttatccaggc ctagtcagta   540
gcagtagggt aacgggattg aaaaagattt gatggagagg aaagtatcta atattagtca   600
tgggtttgac ctaaattgct agacagtcgt gccattcaca aagtcagaaa atncagcagg   660
aagagacgct tttananggg cagagaatta gaggatggtg gtagtaatga aaatgatgc    719
```

<210> 4309
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = A,T,C or G

<400> 4309
```
gggttnannt tcnaanngct gggctangcg ctttctgcag gancccatcg atncgttcgg    60
cacgaggtga cagagagcag ttgaaatggt tttttagttc ctatggaaaa gttgaagggt   120
tttggtctaa ggaccagnca cagtggaaga atgcatctga gaatgatgag cgcttatcta   180
accccccagat tgagtggcag aatagcacaa ttgacagtga ggatggggaa cagtttgaca   240
acatgactga tggagtagct gagcccatgc atggcagctt agccggagtt aaactgagca   300
gccaacaggc ctaagtgcca ggtncectgg cgttggtgac atgctgcagc ctggaactct   360
```

```
gatatccagt gtgactgcaa agctgtcttc tcactggtac tgccttgtga gtactggttg    420
gactgtgggg catgtggccg ctgcagatcc agtggttatt nctaagncta tgacaggaca    480
ggctganctt gcntcanaac cttctctgac agacacggga actaaatgtg aaaaaccaat    540
aanctggaga ctcatgaatt cacacgagga aaagcagagg nttattnatc tgncttttca    600
acatttnttt cctctgngaa angaanggtc anaggctttg naaaagtggt aaaactaatc    660
acatgggaag tgtaagggcc ancatccaag ctaccaantc ctaaangngn caaancanac    720
ctttngggaa aaaccnaatt ttnnaagccc gggntnnnnn                           760
```

```
        <210> 4310
        <211> 809
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(809)
        <223> n = A,T,C or G


        <400> 4310
ttnnaatngt nncttccctt tcctaatngc ttggcgtttt tttccattta aaagtatttt     60
attttttttcc agtcaaatga ctagttaaca agaaagagta aacttattaa acatgctcta    120
attataaatc actgcattaa ggacaatgaa aataatcaat ttcggttata caatatatac    180
agttgtgctg caaccaaagt aatcaggtga atgaactgaa tatcatacat ctcaaaatag    240
catcctaagc tgcatattat gttatccacc ccttaacaga tcacacagtt actcttagtc    300
tgtgtacatg ttctgagcca tcatcccaga tctgatggag aatggcatgc aaaatgccag    360
aatcctgcag ctgcagttca tgaaacataa actttaaata taaatagata tctacaatgt    420
ttttctttct cttagttgct tttttaattt gcaaggagca ataactaag aaaggatatt     480
agcagggtcg ttaatataat tctcctctgg taagagtact attagttact gcacaatagc    540
acccaaattg gtagactgga aaaatattcc tanggtattt atgtcccagt ggaacctgac    600
cggattaagt tttggggact gggagttcta aatggttgga tattgaaatc aacctttaat    660
tcccttaata ntaagcctng gcaacccaag gtngggtcca aaaagggcnt ggacctatta    720
aaaaattcca ggattgncca gggaagggat ttgggttaaa aaaattggan ccnttaaggt    780
ggccaccttg gtggccaaaa aattnccat                                       809
```

```
        <210> 4311
        <211> 865
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(865)
        <223> n = A,T,C or G


        <400> 4311
ggaaannttt tcctaanacc tggacaagaa ncagnaaaaa cgngnctngg aaacttcctc     60
ttncncncag cannncnaca ttgggnctgg gcacgaggtt agagtaagta anagatntng    120
ccnatttttg cacttaaanc caagaaagag agtcancaaa tatttatacc attctctcat    180
taagtgacac tggttccata aatttaaaga cagcgggtca cccatatcta tggnnttgca    240
ttncatgggt tcagttacca cagtcagcct ctgtctgaaa atattacaat ggaaaattcc    300
agaaataaac aattcataag ntttaagttg catgccgatc tgagnagcct gaatgaaaat    360
cttacancat ccccctncaa ncaggctagg ncatgacatn anccccttgt ccagccataa    420
tccaacactg gttatggcta cccaccccan taggnaacat antagccaaa cnngggtatt    480
cagandccgan cnggncntgg gnaanccata anatgnctcg gagnnccaag ggnaccccctn   540
aaannntacc cttaaaatag ngganccccc aaaatggcca nngaaatggg ccaaaanngg    600
gaaanaaacc gggcccnaan ncnaacaaan tanngntaaa cgggnncatn aaagnccccc    660
```

```
tnnaccagng  gcccaaaaan  nactgnaant  aaaaatccca  ntnaaaggggg  cnanataaat      720
tnnanggnaa  aaaaacnagg  gngggaccnn  agggncaggg  gcccaaaaag  ngggnctnna      780
canaaaccan  cngggangcn  ntaaaaanct  atnancccgn  gggnaaaagg  ngngaanccc      840
cggaaannnc  aaaanntncc  cttgg                                              865
```

```
          <210> 4312
          <211> 940
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(940)
          <223> n = A,T,C or G

          <400> 4312
ttcnctttcc  cncctcctng  gaaacccttc  ctttcctaat  gttcctaatt  cctcnnnnnc      60
tcnctctcnc  tctttctctg  ccggtcnggg  nncngtnncn  tnttgccttt  ttctcccgnt     120
tttnncnctn  gccnctacnt  nnccngntga  ggnagnccac  ctgcggagac  cgctgntnnc     180
ncncannccg  ctngntgntt  cntgnccgnn  tggctcanct  ccancgcctg  ntccccctn     240
nngtgncgcc  nngggntcng  tngatcccnc  gatngccntt  anggcttata  cgaatgnnca     300
tgccttccgc  acccnnncat  tnannnccgn  gcctctgctc  cctcctnacc  tnctgcngac     360
tgnctgcacc  tccctgcctc  tntgccnccc  nnntcgcccn  ggctcccacc  ccnngntgnt     420
tgccgntgct  tncncntgtn  tcnnggaacg  gcnntgnncc  cttnnccccc  gnntcncngc     480
tcctggccnc  ctnncccntt  gnctgnttcn  nccccccctnc  tnnntngnnn  ctnncncccc     540
tcnnncntcc  ncnncctcnc  nnnntccccc  nnncnctccc  nncnctnncn  ctcncnnntc     600
cnnncccccc  cncncccncn  nncccttncc  tccnctnctc  tcccncnccc  tccncnctnc     660
ccntncctcc  cnctctncnc  nnncnncnnc  nnnnnnncnc  ncccncnnc  tccncncnnc     720
ctccnncncn  nnccntncnt  nnnncncnnt  ncttncncnn  ntnnntccnn  ccncccccncn     780
nntncnnncn  ncntnnncnc  ctcncnnctc  tnntccnncn  nnctctcntc  cnnnnnnnct     840
cnnncccct  nnncntcncn  cntcncccnc  nncncccctn  ncnncnnnnt  cnnnncnccc     900
cnncccncnc  nnntncnncc  tcncncncnn  nnttnntncc                            940
```

```
          <210> 4313
          <211> 1051
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(1051)
          <223> n = A,T,C or G

          <400> 4313
cannnccncc  nnaacnnnna  tntcatcnan  ncacnannna  anccnncnta  cnaanatnct      60
ncgnacaacn  agngannnct  tccccccctt  nnaacccgcc  cttatgcnga  acccacgatt     120
cgaattcggc  acgagcccat  cgtgcgctgc  cccacggttc  ggtaccacac  gaaggtgcgc     180
gccggccgcg  gcttcagcct  ggaggagctc  agggtggccg  gcattcacaa  gaaggtggcc     240
cggaccatcg  gcatttctgc  ggatcccnag  gaggcggaac  aagtccacgg  agtccctgca     300
ngccaacgtg  cancggctga  aggagtaccg  ctccaaaact  cannctnatc  cccnaggaaa     360
gccatcggac  cccaagaagg  ggagacagtt  ctcgctgnan  aacnggaaac  ttggacacca     420
anctnacccn  naccggcaat  ncccncnccg  gaaantctna  aancgaaann  ancaacgnnc     480
atacacaaac  acnnannnan  cnngnncana  ncnnccncnn  cnnatnnttn  naacntcnnc     540
antcntncnn  nntnccnctc  nacccnanac  tannntnnna  ntnctatcac  anannnagnc     600
cnnnnntcaa  caannaccnn  nancannnna  annncncant  cnnnnntanc  atncannntn     660
cnctcaacat  nacatannan  tannntccnaa  nnnctaatnt  anngcncnac  nnccatctac     720
```

```
ncntnttntn aantgcctan aaaancacnnc cncncaacta anntcnacat anacgcanna        780
natatatcga acaaancata acgncacnna naananattn cnngngnaac tacctannat        840
antanaaaca ccnannacca accanactcg nccacnngcn ctcnctncnn nnngcgntcn        900
cncacacgtc ngcnanccac tntcttnccn nnccnncgct natcncccgc tccatnatan        960
naccacaacn nnntcataac annntcgccn anancgacac ctnatctcgn cncgnganag       1020
annactctaa gncacanata tntgttnacc c                                     1051
```

```
        <210> 4314
        <211> 755
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(755)
        <223> n = A,T,C or G

        <400> 4314
gatgctggnt ncnnatgctt gnngatccct cgattcgaat tcggcacgag gaaatgtgta         60
tttcagtgac aatttcgtgg tctttttaga ggtatattcc aaaatttcct tgtattttta        120
ggttatgcaa ctaataaaaa ctaccttaca ttaattaatt acagttttct acacatggta        180
atacaggata tgctactgat ttaggaagtt tttaagttca tggtattctc ttgattccaa        240
caaagtttga ttttctcttg tattacattt tttatttttc aaattggatg ataatttctt        300
ggaaacattt tttatgtttt agtaaacagt attttttttgn tgtttcaaac tgaagtttac       360
tgagagatcc atcaaattga acaatctgtt gtaatttaaa attttggcca cttttttcag        420
attttacatc attcttgctg aacttcaact tgaaattgtn ttttnttttc tttttggatg        480
tgaaggtgaa cattcctgat ttttgctgat gtgaaaaagc cttggtattt tacattttga        540
aaattcaaag aagcttaata taaaaggttg cattctctca ggaaaaagcc atcttcttgn        600
atatgtcnta aatgtatttt tgncctcata taccggaaag ttcttaattg gattttacca        660
gctgnaatgc tttganggtt ttaaaaataa taacattttt aataattttt taaaaggaca        720
aactttcata atnatcccgg ngntcctttn ccnnn                           -      755
```

```
        <210> 4315
        <211> 811
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(811)
        <223> n = A,T,C or G

        <400> 4315
tnnnaatcnc nnnaagcctt tgttnaaccc ctttgctact ngcncttttt gcaggatccc         60
atcgcttcna attcggcacg aggttatncc agtatctgnc ancagaatgg cattgtgccc        120
atcgtggagc ctgagatcct ccctgatggg gaccatgact tgaagcgctg ncagtatgtg        180
accgataaag gtgctggctg ctgtctacan ggctctgagt gaccaccaca tctacctgna        240
aggcaccttg ctgaagccca acatggtnac cccaggccat gcttgcactc anaagttttc        300
tcatgangag attgccatgg cgaccgtcac ancgctgcnc cgcacagngc ccccgctgt         360
cactgggatc accttcctgt ctggaggcca nactgacgag gangcttaca tcaacctaaa        420
tgccattaac aagtgcccnn tgctgaancc ntgnnccctg accttcttct actgncgagc        480
nctgcangcc tctgcnctga acgcctgngg cggnaataag gagaacctga agctgctcac        540
gaagaatntg tcaagcgaac cctgncnaac agccntgcct ggcaaggaaa gtncacttnc        600
gagccggtta ggctagggct tgctgcaacc gaagtcccct ctttggtntt ctaaccatcg        660
ccttttttaa nncggaaggg tgtttcccca aggattgccc cccaanaact tnnaagncct        720
ttggccccaa tttccnantt tttgaaanaa ggnaggnccg ccntncttta nngggcttcc        780
```

aaaccttggg cttaganccc nggctttttt t   811

```
        <210> 4316
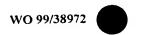        <211> 942
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(942)
        <223> n = A,T,C or G

        <400> 4316
gnagcgtnnn cctttggaac ccnttgctac ttgctctttt tgcagggatc ccatcgattc     60
gaatncggcg cgngnctggn cntaggcgtn gnnnatncca aggccatatn acatnngatn     120
ntncanaaga gncatataat cnagnnngta aattcacatt gtgctgctca catggatnga     180
acatacaaat tgatggttat aaacctggat gctcaccatg actccaaagn nctnggtgnt     240
aaccatggnt atagnggnag ntcnnanngg actnnatatg gataccgagg ctctccagaa     300
caagctccan gaantgatca ctgngctanc ngnggctatg acagctgtaa ngcncgaaca     360
ggaatacntg gaagtccggg tnanaataca ctnagccatc ancgactgca catacagcat     420
agtggtnctt gtggtccttc ttngaatctc tngttctagn caccatgaca ttgngacaga     480
tntactactt gaagagattt ttnnaagtcc ccagagntgc ttaganaaag tcnactnctg     540
angatccnac ctnaagaatt naatgntnac caaacaccnt gntcntaata atggnccata     600
gttttctcgc atgntttatg gttctnggac ttgtaccatt tcacatcgta atggtgnnca     660
nttngagaat taatcncatt aattgggggn gggaaanaac ggcctttttt anggcnaaat     720
tnaattaggc cnaaaaattt ttcccagttt aatttgggnc nttaaaccct tngtnttttna    780
aancttgncc tnccattnnt gttanagttc cntntcaaaa tactttanac cctctttnnt     840
caanttnnan nattttnngn anttancnnc atnccaanca attnnttnnc nttncnnntt     900
nacnnttttc ccntggantt ntcctgcacn tcancntncn ct                        942
```

```
        <210> 4317
        <211> 891
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(891)
        <223> n = A,T,C or G

        <400> 4317
annatccttc tgangttngt ctngctcttt ctgcaggatc cctcgattcg tnagtgtctg     60
nntgncaggn ccctcaaaga ttcctnggnc ttttcccatg tgnttgaaga agaantcnat    120
ngncnntcat tgaatcaaac tggaaaacct gctggcntgc tgctgacgac tctgnggcta    180
ncaaggtnct anactcnnaa aacatgangg tngtnaganc ctcnncgaga catnccaata    240
tctgctcctc agtggctttg cngnctcaga ggcctcanag cctgctgtca tgtggacctg    300
gatatgcagg tgatgctgng gactcttcaa aaagcccnac cactctgnga ttacgaatnt    360
acangacaga tganacacga acatgatgna aagcccacca tnaccnntan agcncttaaa    420
ccctgnccta gnncattcna tcnanggggn ttcntntngc tatattggta gttgcnnngc    480
ngacnatggt aaanggacna atnattcggg tgatgggact gnantgtgan cnggnnctng    540
naattanggg gccanncttc tagggngtc ccnncncntg cctntcnntc canaaatgcn     600
tanacgctgc ttntacctgg gaagngnatg gatgngnaaa gaaacnccnt nnnttggngn     660
ctttgccaca cnncnngggn aaacttttga gncannaaaa naccncnta taaccanntt     720
tnccntccnc taaaaacttg ttacncncaa cntatnggca ataggnaaaa acccctttac     780
agggnaccgn aaaacctttg gcaacnccan aanntntgnc gttngggggaa aaaantacct    840
ttggcccgnt ttttttacag nttngacnca aaaantttaa agggaaancc c              891
```

```
<210> 4318
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = A,T,C or G

<400> 4318
ntcnnncttt aancccntat ccttctcnaa acctttggaa cgcncnctnt ctncaggaan      60
cctcgctnna gatnctcacc tcttnnnggt ctngnntngt ctgcctacat tcccacagca     120
gacaaggttg anaatccatn gctgnaatct tggtattgat gagttncagt gatggaacat     180
gtgcttggcc acaggcaggt ccagtcactg caaaagtgac caanccanca ggtcaccctt     240
aacttcagaa acaattattg gtggtgaact gtacttaaat tgcagagaaa cctgtaagta     300
atggaaggtn aanaaaaatt acanaatgga aaatnatatt ttgggcaagc aaacanattc     360
actgagaatt ccaaaagtat attaaaaaag aagatagcta tgagttcaga tctatcttat     420
tggtctttaa tattacaacc aatccttaac tttccactat aaangaagga ttactanatt     480
gattactttc tgggtagata atctggtaat aaatgatagg gaaatcaaaa attacttta     540
tttaggagtt ngaattctta ctctcatcag acattttttt tctanggac ncttactaat     600
taaatgaatt taaagttgtt ccttanggng tcnttngccc ntantatatt tatnactgng     660
ttaatganta ntggaattnt gccggaanga cagnttcang aagaggaant nncgaancct     720
gataatctat gggttagaaa gcntccctgn atatcnaaaa ttgccantt                 770
```

```
<210> 4319
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(765)
<223> n = A,T,C or G

<400> 4319
tgttttaatn ctngtcaaat ccttggctac tcgntctttt ngnanncgna ttcngnncgg      60
ntcccatcnn ttcgctgggg tgggcagttn tttgaaaatg ggctcaacca gaaaagccca     120
agttcatgca gctgtggcag agttacagtt ctgtggtttc atgttagtta ccttatagtt     180
actgtgtaat tagtgccact taatgtatgt taccaaaaat aaatatatct accccagact     240
agatgtagta tttttttgtat aattggattt cctaatactg tcatcctcaa agaaagtgta     300
ttggtttttt aaaaaagaaa gtgtatttgg aaataaagtc agatggaaaa ttcatttttt     360
aaattcccgt tttgtcactt tttctgataa aagatggcca tattacccct tttcggcccc     420
atgtatctca gtaccccatg gagctgggct aagtaaatag gaattggttt cacgcctgag     480
gcaattagac actttggaag atggcataac ctgtctcacc tggacttaag cgtctggctc     540
taattcacag tgctcttttc tnctcactgt atccaggttc ccttccagag gagccaccag     600
ttctcatggg tggcactcag tctctttctc tncagctgga cttaaacttt ttttctggac     660
cagttaattt ttncaactac taatngaata aaggcagttt ctaaaaaaaa aaaaaaaaaa     720
ctcgaacctt tanactatat gagtcgttta cgtagatcng actga                     765
```

```
<210> 4320
<211> 744
<212> DNA
<213> Homo sapiens

<220>
```

```
        <221> misc_feature
        <222> (1)...(744)
        <223> n = A,T,C or G


        <400> 4320
gtnccnnttt gaatncncat acaagctact tgttcttttt gcaggatccc atcgattcga        60
attcggcacg agcttatctg tacgagatnc attccnagac ccctagtgga tgcctgaaac       120
ctcagatngn actgaaccct ttatgaacta tgttttttca gtctgacaac caaggcggct       180
actaagtgac taaggggcag gtagtataca gtgtggataa gcaggacaaa ggggtgattc       240
acatcccagc ctgngcaaca gagcaagact ctgtctcaaa aaaaaaaaaa aaagtctcan       300
taacctatgg gataatatac taacaaacag ctgtgtaact ggaatnccat aaagcantgg       360
tggacanagc agaaaaatat ttgaagaaat aaagactaaa attatgtcca ntttgatgaa       420
aattatnctc tgacagatct aaganttna gcaaacccta atcaagatag tctctctctc        480
cctctcacat gcacgcacac gcaccgaagt tnagccataa tcaaactact aaaaaccant       540
aataaaanga ataatcttaa aatgtngcca gagaaaaaan gacacgttac aaacagaaga       600
acangggtta gaaaactgaa actttcctta naaactacat acgcagaaga caacaaattt       660
gcttaaattg tgaaaaatcc cctcacacta gagagaggct ttggtggtag catggctnag       720
taggtgcaca agacgtgccc tcct                                               744


        <210> 4321
        <211> 772
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(772)
        <223> n = A,T,C or G


        <400> 4321
gnttgnngtn taanttnta aggatccctt tntntgaanc cctttctgca ggatcccatc        60
gattcgaatt cggcacgagg caggagnaat cacttgaacc ctggaggttn cggttgcagt       120
gagcacagat catgccactg cactccagcc tgggcaacaa aacgagactt cgtctcaaaa       180
aaaaaaaca tagaatttgg atcctttggt cgggttctcc caaattcttt tgaggtgtcc       240
atggtcaact gcttcagctt tgttttggca acccctgcc cgaagtcgca tataggctgt       300
tcttcacctt gtttccaagg ctgaggaaca gaaagtagcc tctgttttga ggaggtggaa       360
gttaagtata catttatttt ttactgtgac ttgttcagga ccacatttta caaaatgcct       420
tgtttccttc attgtttctg gaaaggaaag ttctattaat attgntttac tttgaatata       480
gaatagtttt tttaattagg gcttattttg aaaaattctg agtttaattc aaatgtatgc       540
caataccttc caaagtaagg taatattcag agacagttgt tggtgatcag atggcttaga       600
gaaaatttct ggaatattca cattcgaaga tccttattat gaatgtcttt gacttaaatc       660
taaccaaaaa ctgcacatta ttctttgnac attttcatta tatagngtta acaagcttan       720
ttgcaaacca ataaatactt aagctattta aaaaaaaaaa aaaaaactc nc               772


        <210> 4322
        <211> 749
        <212> DNA
        <213> Homo sapiens


        <220>
        <221> misc_feature
        <222> (1)...(749)
        <223> n = A,T,C or G


        <400> 4322
tnncttttnac tntnntaatc ctttntgang cccttntgca ggatcccatc gattcgcgtc        60
```

```
tgtaatccca gctgcttggg aggctgaggc angagaatca cttgaaccct ggaggtggcg    120
gttgcagtga gcacagatca tgccactgca ctccagcctg ggcaacaaaa cgagacttcg    180
tctcaaaaaa aaaaaacata naatttggat cctttggtcn ggttctccca aattcttttg    240
aggtgtccat ggtcaactgc ttcagctttg ntttggcaac ccnctgcccg aantcccata    300
taggctgnnc ttcaccttgt ttccaangct gaggaacaga aagtancctc tgtttngagg    360
aggtggaant taagtataca tttatcctnt actgcgactt gntcangacc acattttaca    420
aaatgcctng tttccttcat ngcttctgna aaggaaagtn ctattantat ngtgttactn    480
agaatataga ntactttttt tnattntggc ttatttntaa aaattctgag tttaattcaa    540
atgtntgcca ataccttnca aagtaaggta atntcataga cantngttgt natcacatgg    600
cnttacanaa antnctggat attcacnttc taaanattcc ctattaaatg aatgtctttg    660
acttaaatnt accaaaactg cncatattct cgtacatttc gtaaatngtg nacaagctan    720
ttgcaaacaa taaatacnta actaaaana                                      749
```

```
        <210> 4323
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(773)
        <223> n = A,T,C or G

        <400> 4323
nttnngtttt tantttntnn aancctttgt tacntgcnct ttctgcagga tcccatcgat    60
tcgccagccc ctcctctccc cgccttctgg gaggaggagg tcacncgctg atgggcactg    120
gagaggccag aagagactca naggagcggg ctgccttccg cctggggctc cctgtgacct    180
ctcagtcccc tggcccggcc agccaccgtc cccagcaccc aagcatgcaa ttgcctgtcc    240
ccccggcca gcctccccca cttgatgttt gtgttttgtt tgggggata tttttcataa    300
ttatttaaaa gacaggccgg gcgcggtggc tcacgtctgt aatcccagca ctttgggagg    360
ctgaggcggg cggatcacct gangttggga gttcaagacc agcctggcca acatggggaa    420
accccgtctc tactaaaaat acaaaaaatt agcccgggtg tggtggcgcg tgcctataat    480
cccagctact cgggaggctg aggcaggaga atcgcttgaa cccgggaggt ggggttgcg    540
gtgagccaag atcgcaccat tgcacttcag cctgggcaac aagagcgaaa ctctgtctca    600
aaataaatta aaaaataaaa gacagaagca aggggtgcct aaaatctaga cttggggtcc    660
acaccgggca ncggggttgc aacccaacaa cctggtaggc tncatttctt tccaagcccg    720
aacagaaggt catgccggcc ccacangaaa ancnggcagg gccncggggg gct          773
```

```
        <210> 4324
        <211> 916
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(916)
        <223> n = A,T,C or G

        <400> 4324
nttccnnngn aanttncgng natnntgncn gaaccccttt cgatnncnnn gattcgnagt    60
acngacnagg agannctgnc ggncntgtgn tggaanctnn ntttggaccn cnctttnncc    120
ngtgccntgt gaactcagag cacgggcnnt ttggaccnac tcaaggccan tcatggcatg    180
gctcatncct gaggcacgna nnganactac attcncaggn gcccttcnaa acaatggacc    240
ncnatgcngg catactgngc ctgcgacccn aaanacnnna ngnntgtact gaatatcaag    300
atcnacttag antctaagag agnntggnct nnnaactgat cancanggcc ttccangggg    360
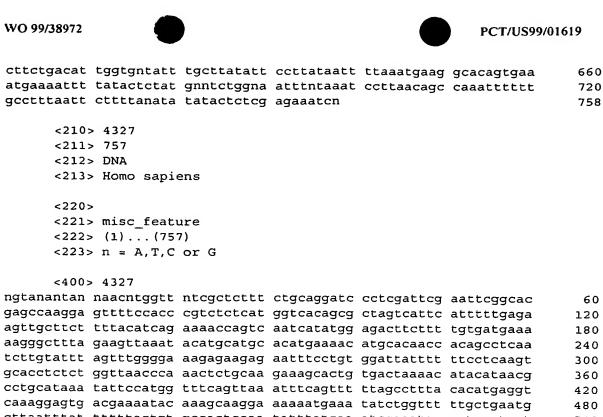cancanngag acactgcgag tnacagagac ngccatgggc gntgctncct tacnnagngn    420
```

```
cacaggccnn accntcatgn aaccctaang ctgtncnnat gtactccgaa tggcctttna    480
nncgnacngg cctctaagtg atgcnncccg gtntcanatg nnnccgtaca atatctcang    540
ggacatgggg antnatnnnc anccnnaacc tttnanaaaa ggcggcntta ccnttacnnn    600
aaaaggatgg cttnnngcta atcaaaaanc ntgtaaaccc tnggcnatta taaacccaag    660
acccgggaca aanctngggg taccnngtcc aattnaaact ggcctnccnn tcntggtcnc    720
ccaaccaaag tnaaacctan ttngcagngg gttataccgg nanncnaatt ggntncaacc    780
ccaacttngg gaaaataatt tttncnaaat gcntcnatcn aaccctgnct tttnnanaaa    840
aacccaggct ttttnnctng gggaaccttn aancggggan ttggccttnn caaaaccacn    900
tnccncttta ggtnnn                                                    916
```

```
        <210> 4325
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4325
cnttnnttna tgacccttgt tacttgctct ttttgcagga tcccatcgat tcgaattcgg    60
cacgagggaa ccatgagaac cgaagctaga attgntattg aattacttta ttttctcttc    120
ccttattggg tagagataca tcattactgg cctcaggggt ttacccaaag aaagggtatt    180
tttgagcaaa taatgtgatt tcctggctat tttgttgggg gcttaagatt ttttttttc    240
aaatgcattt ttagtcacta aaaattaact gtcgtaccat ctagaactat actgtccagt    300
accatagcct ctagccgtat gtagctattt gtattaagat taattgaaat tttaaatcca    360
gttcctcagt cacactagcc actttctaag tgctcagtag ctctgtgtga ccagcggcta    420
ctgtattgga tattatagaa ggttctttca ttcaagatca tcattcttga cagacccata    480
aatatttcct ataaagactg tagaagtgtg ttctggaggg tttgctctcc aaaaagaatt    540
gtaatataga gtagaattgg gatagagtat tgaagacact gggtttagac attggatatt    600
ttaatgattg tgtgtctaat tcatggtgct gncaactgag ttatctagtg atatgacctc    660
actgtcttga ccaaagccag aatngaaggc aggattcctg aatctatctt aaaattgcaa    720
tggaanagcc ttttccctaa attatccatt tgtaatt                            757
```

```
        <210> 4326
        <211> 758
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(758)
        <223> n = A,T,C or G

        <400> 4326
ntnnnttctn aatccttgtt cncgcctttc tgcaggatcc catcgattcg gagaggagca    60
ggtgcagtga ttcataccca ctctaaagct gctgtgatgg ccacccttct ctttccagga    120
cgggagttta aaattacaca tcaagagatg ataaaaggaa taaagaaatg tacttccgga    180
gggtattata gatatgatga tatgttagtg gtacccatta ttgagaatac acctgaggag    240
aaagacctca agatagaat ggctcatgca atgaatgaat acccagactc ctgtgcagta    300
ctggtcagac gtcatggagt atatgtgtgg ggggaaacat gggagaaggc caaaaccatg    360
tgtgagtgtt atgactattt atttgatatt gccgtatcaa tgaagaaagt aggacttgat    420
ccttcacagc ttccagttgg agaaaatgga attgnctaag ccaaaagaaa gtctaattat    480
atacagagat aaagctaaac gtaattatta tttaaatgaa agctattttt ttaaatgaat    540
ngaaattttt catgatgcta ctaatttgnc actaaatctg caaatggtca ccctgaattt    600
```

```
cttctgacat tggtgntatt tgcttatatt ccttataatt ttaaatgaag gcacagtgaa      660
atgaaaattt tatactctat gnntctggna atttntaaat ccttaacagc caaatttttt      720
gcctttaatt cttttanata tatactctcg agaaatcn                             758
```

```
        <210> 4327
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4327
ngtanantan naacntggtt ntcgctcttt ctgcaggatc cctcgattcg aattcggcac       60
gagccaagga gttttccacc cgtctctcat ggtcacagcg ctagtcattc attttttgaga      120
agttgcttct tttacatcag aaaaccagtc aatcatatgg agacttcttt tgtgatgaaa      180
aagggcttta gaagttaaat acatgcatgc acatgaaaac atgcacaacc acagcctcaa      240
tcttgtattt agtttgggga aagagaagag aatttcctgt ggattatttt ttcctcaagt      300
gcacctctct ggttaaccca aactctgcaa gaaagcactg tgactaaaac atacataacg      360
cctgcataaa tattccatgg tttcagttaa atttcagttt ttagccttta cacatgaggt      420
caaaggagtg acgaaaatac aaagcaagga aaaaatgaaa tatctggttt ttgctgaatg      480
cttaatttat tttttactgt gccactccaa tatttatcaa atccaaatag catgaatgct      540
tctctgtagt aatactaatt ttgtgccttt tgtctgcttt cttaagacca gttgttcaca      600
ctttgtagat attaacaaat atatttccga ttggaataca aaaaaaaaaa aaaaaaaact      660
cgagccctnta gactatagtg agtcgtatta ccgtgatccn gaccatgata agatccattg      720
atgagtttgg acaaccacac tngatgcagg aaaaaat                              757
```

```
        <210> 4328
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(757)
        <223> n = A,T,C or G

        <400> 4328
ngtanantan naacntggtt ntcgctcttt ctgcaggatc cctcgattcg aattcggcac       60
gagccaagga gttttccacc cgtctctcat ggtcacagcg ctagtcattc attttttgaga      120
agttgcttct tttacatcag aaaaccagtc aatcatatgg agacttcttt tgtgatgaaa      180
aagggcttta gaagttaaat acatgcatgc acatgaaaac atgcacaacc acagcctcaa      240
tcttgtattt agtttgggga aagagaagag aatttcctgt ggattatttt ttcctcaagt      300
gcacctctct ggttaaccca aactctgcaa gaaagcactg tgactaaaac atacataacg      360
cctgcataaa tattccatgg tttcagttaa atttcagttt ttagccttta cacatgaggt      420
caaaggagtg acgaaaatac aaagcaagga aaaaatgaaa tatctggttt ttgctgaatg      480
cttaatttat tttttactgt gccactccaa tatttatcaa atccaaatag catgaatgct      540
tctctgtagt aatactaatt ttgtgccttt tgtctgcttt cttaagacca gttgttcaca      600
ctttgtagat attaacaaat atatttccga ttggaataca aaaaaaaaaa aaaaaaaact      660
cgagccctnta gactatagtg agtcgtatta ccgtgatccn gaccatgata agatccattg      720
atgagtttgg acaaccacac tngatgcagg aaaaaat                              757
```

```
        <210> 4329
        <211> 746
```

```
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 4329
ttntttacct ttgctcttgn tcttttgcag gatccctcga ttcgaattcg gcacgagaga        60
agctcagctc ttcttggtct tggctagact gcctagattc ccacagcaga caaggttgag       120
aatccattgc tggaatcttg gtattgatga gttacagtga tggaacatgt gcttggccac       180
aggcaggtcc agtcactgca aaagtgacca agccagcagg tcacccttaa cttcagaaac       240
aattattggt ggtgaactgt acttaaattg cagagaaacc tgtaagtaat ggaaggtaaa       300
gaaaaattac agaatggaaa ataatatttt gggcaagcaa acaaattcac tgagaattcc       360
aaaagtatat taaaaaagaa gatagctatg agttcagatc tatcttattg gtctttaata       420
ttacaaccaa tccttaactt tccactataa aggaaggatt actagattga ttactttctg       480
ggtagataat ctggtaataa atgataggta aatcaaaaat tacttttatt taggagtttg       540
aattcttact ctcatcagac attttttttc tagggacgct tactaattaa atgnatttaa       600
gttgnttcta agggtttttt gcctatatat ttatgactgn gttaatgagt antgaaatga       660
tgcggaaggc agcttcagga agaggaatnc agaacctgaa taatctatgg gttagaaaag       720
cttcctgaat atcaaaattg gcngtt                                            746

        <210> 4330
        <211> 967
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(967)
        <223> n = A,T,C or G

        <400> 4330
nnnnnncann annnnnnnna ngnnnncnna ccannncnnn cnacnnagng nncccgctcc        60
aaagccggca anncgccgcn cngcnnnntc aaaccntgca ngcggcacnn gnngnncccn       120
acgangcgcc agcgcgcgng anacngngct gccaagaaan gngngcncan agnccggcct       180
ngagaacagn acagngganc gtcanaagca gngggangac agacgacnga ngaaacntag       240
agcccagggn nagcgngacg acggaccagn tcccaaaggc nggngcccaa agcngacnag       300
ntnnaggaag aaanacgngg gacacaaccg gagacanccg annaggagcn gacnganntg       360
gacccanang gcaagaagca ccnaaacang ncacccacca nacgaccggg gaaggcacga       420
acggtcngag cacgagnaaa acgngaacna ancaacgcgc acacanngng aganagaaac       480
accncnaaca ancnaancgn gggaanangn agaccggacn cagaagaang gcncaagann       540
cggcanngaa cccnnaancn gacggaannc agggncggng ccaacaagan ggcnangacn       600
ggncaannna nggccggcnn ggaaaaacga ccaagnngnn cnccaaaaaa gacanggcaa       660
aagnaaacgg gcaaagggca ancncaagg nnaagcccna naacgcgcan nnggagcaaa       720
angnnccaag ngaggancna aagangggga aaggggccca cnaagngggc ggnnaanngg       780
cgaannnaaa acanagggng ggggccacng gnaaacccaa gcgcgaaann ccnggcncna       840
agggccccga aaacangggg ngacaaaaac ccnngccaaa accnnanggg ngggncccat       900
cgngannaca naaggngaac cgnccaaggg ggcanaaagg aaaggccatn nnaangnaaa       960
agagccg                                                                967

        <210> 4331
        <211> 824
        <212> DNA
        <213> Homo sapiens
```

                                    1392

```
<220>
<221> misc_feature
<222> (1)...(824)
<223> n = A,T,C or G

<400> 4331
gttagngtgn ggtatnaaca gctcttgtng tttttgcgga tccctcgatt cgaattcggc      60
acgaggcnac nggtgaagcn nntgttgngt gngctnctca tgaagaanct gtggcnggta     120
tgttcaaaga canggncnat atgcantaca gatatataga actcttcttg aattnaccaa     180
cangggccgg ntaatggggc gnatgtcagn caantgatnc aactgcatgn gggtgtctnn     240
tgcccaggnc acttacagng gnctggaaag ccagtcanng caangngtgg ncncagcgcn     300
ggnttcngtg ggtnaaccag gcatggnctg gntatnacgt aatcttagnn aggaacaatt     360
tnagtnactn tnttcntnat tcncnngnga gncctcttnc angttngtga gcatttntca     420
ataagaaaga agnctggggn acccatttng cancattnan ttcanggaaa aatctngatt     480
taaaaaagtt acctngaac tgttnnntaa ngcncnnttt nnttgtagcn tgtgataatn      540
gatgcgaact tntactattt atcagcatgt tctnannata acnttttggg tannatcngt     600
ttagnantga ttcnttcatn agcctaagaa aacttaagnn nnggcaaaat gccggatcat     660
tgtcacaggc acgttcacna attnanccnc nctcggtgac aacntttctt gntttttngg     720
aaanaaattc cacagggnct agnctannca tngnttcntn ggaaatttan ctntaatggt     780
ttcggtanaa ntcccgtttg ngnggtttna attaaaaaaa nccg                     824
```

```
<210> 4332
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 4332
gcttnanccc tttccatttc caatnntttg gctctcnctn aaaccctttg gancccntcg      60
attcgaatnc ggcacgaggg ctaacttgcc ttgttnnact atngatgttn gngtcctgnn     120
ttcttaacac tttaagcagc tgntctcacc taaaggctaa tagttntaag taagtatctn     180
tttcttttta taatttaaaa attaaaaaat ttttaattaa ctgttttaa attaaaaaaa      240
attattaatn atttntaata gacaggatct ngctatgctg nccaggctgg tcttgaactc     300
ctggtctcaa gtgatcctcc tgccttggcc tcccaaagtg ctggtattac aggtgtgagt     360
cactgcacct ggccaagttn natncttcag gntacattnc ttcagccact tcaatcaaac     420
atnnaattaa catgctataa tgaatgacta tncttaacta ggctaaccaa atgaaggcct     480
ttggnaactt acctntagtt acanccttca cttctttttt tttgngaagg gaaantnnng     540
ggnncggaca atactcctng nantnaacta tngtaaccct ttncntngac tngaattaac     600
nngggaaatt ngggggaaant aattgnagaa ntgaacnngc ttgaatcnaa nannnantcaa    660
tanaccntaa tagncaantc ntnttaannc cccnaatcnn ttagncctnt ccaatttggc     720
cnanaagnta ananenecce enggccttt ngccccaatc nnnaaattcg nnatnaaaaa      780
tnaaacccct ngcctttaaa ngggnacctt tnacacgaan ggggggaann                830
```

```
<210> 4333
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G
```

1393

●　　　　　●　　　　　

```
        <400> 4333
gnnnnnnttt nnnnnnnttt ccnannngnn nnnttcaaat tttccnaatc gctngncttt      60
ttgcaggatc ccatcgattc gcaccgctat cagaaaaata tcctgttcat ggtttatact     120
gaatttgcaa actactgata tgatttttca ataaccactt gtatcttcca tcatccatga     180
gaggtgggaa gaggtacact gtatctctgc aataaaactt tggccaggtt ctacctcctc     240
tgagcaaagg atacttttct atgtaggtgt agatggttct cctttactaa tctgacatgg     300
tgcatctgga gacaacatct gatgggatcc aaagacaact tgaaacaaag gtggatgtca     360
gctcttggtg tgttttcatt tggttctctt ttttaaatct ccctttttgtt atcgctcctg    420
ttgtagcgtg tccatcagtg tgtgaagggt gcgccctgtt ccaatgatac tgcattgctg     480
catccagcct ttcgtgggag cacggtacca agcgtccgga attgattatc ccaatcattt      540
ttgatatgta actgaaaaat ttggtctcat gcaataaaaa tgtactggct gcattttagc     600
aaggtttatt tactcttgca agtaaaaacg atcaaccgtg aagcgtaaca aattctgtat      660
ttagtttttt ttctgttgtg gtggtttttg ttttggtttt tggtttgtaa gattctaaat      720
aaattaaatc gantnaaaaa aaaaaaaaaa aactcgagcc tttanaacta tn               772


        <210> 4334
        <211> 729
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(729)
        <223> n = A,T,C or G

        <400> 4334
gngnntttga aanccntggc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgagactt aaacatgtca cctaaatgca cttgatggtg ttgaaatgtc caccttctta     120
aattttaag atgaacttag ttctaaagaa gataacaggc caatcctgaa ggtactccct        180
gtttgctgca gaatgtcaga tattttggat gttgcataag agtcctattt gccccagtta      240
attcaacttt tgtctgcctg ttttgtggac tggctggctc tgttagaact ctgtccaaaa       300
agtgcatgga atataacttg taaagcttcc cacaattgac aatatatatg catgtgttta      360
aaccaaatcc agaaagctta aacaatagag ctgcataata gtatttatta aagaatcaca      420
actgtaaaca tgagaataac ttaaggattc tagtttagtt ttttgtaatt gcaaattata      480
ttttntgctgc tgatatatta gaataatttt taaatgtcat cttgaaatan aaatatgtat    540
tttaagcact cacgcaaagg taaatgcaca cgttttaaat gtgtgtgttg ctaatctttc     600
catangaatt gtnaacattg actgacaaat tacctataat ggatntggtt aatgacttat      660
gagcaactgg nttggccaga cagtataccc aaactttta ataatatcag aagntatcac        720
cttgtgaaa                                                                729


        <210> 4335
        <211> 750
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(750)
        <223> n = A,T,C or G

        <400> 4335
tcggcctttc aaatnccttt tctatttcna atncttggct actttcactt tccgcannga      60
tcccntcgnt aaaggcagcc cccaagtccc agaaagctga ctcccctagc atcgactacg     120
cagagctgct gcngcacttt gagaaggtcc agacaagcac ctggaagtgc ggcaccagcg     180
gagcgggcgt ggggaccacc tggaccggag ggttgtcctn tgacangcct ggcacggang    240
agggcccacc gagtggaccn tnaancacta cnggtcntna aacacntncg atgaggccat     300
```

```
atctactaac ttaggcccat ggtcagatat gatnatctgc aaacccatct tgaccttgag    360
tatgtgaagg ggtactgtac tttattcctg atacattttg gtttccatgt aggtgttgag    420
ctcctggttt tctgtgtttg gatgatgaag atttggaccc ttccattcat aatccctttc    480
taagtgaaac ggagaggctg gcttggctgt tccttgttat tccgaaagcc ctggtttggg    540
gcccatgttc acactggctc tcagtctagt caggtgcaat gttcttgaan angtggggac    600
ctaattatta ccanagtagc ancaagagag gaaacgttgt gaattaaagt attcaattaa    660
aaaggaaaca tgatttctac ctgaaaaaaa aaatggctgc nancggataa tngtntgncc    720
cntgntttnn anccggagnc cnnnnaccat                                     750
```

```
            <210> 4336
            <211> 991
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(991)
            <223> n = A,T,C or G

            <400> 4336
ggggncattt tgcnaaantc cccgcngttt ttncccngtn nttgccnaaa aanagncccn     60
tttgggggcn ccccntntt ttgccaaaaa natccnnccc taggggccta acctatgggc    120
tgcnntatan gnggnncagg gggagaancc ccgcnaaang cgnnaangan ggangnaaan    180
naacgggggc acacacgcnc nagngggcag ngncnncnan ggggnagann ngnncaggga    240
ncagnggggn nngnncntnc cgancanana cnnggngggg agaannncna gagggnaagn    300
ncaccncncg anaagngnga nagggnggna ncntgnanna cgacnanact nggnggngca    360
anccgnaann gagacganga nanaggngtn cnanggcgca aagnagnant acncgcncnn    420
nngatacagn aaaaaggann naaannnacn gcnanganag agngananac nacaanctnt    480
ggaggaagag acggaanacn gggagaggaa gggntnagna annaaaggca aggattaacc    540
tnacagaaat gaanaanccc nanncacngg ngncntctgc aagngaacca cttnaagcca    600
angtnaagca gntgcagctt gatagcctgc taccactgag agggactcag aagagtgtac    660
tncattgcaa tacttaaaca gcgccatctt gctgtggaag cctacagaaa actgnggatg    720
aacacaagaa aacgatggaa ttactgcaga gtgatatgaa tcagcacttc ntgaaggaga    780
ctcctgggaa gcaaccagan cattccggca ccttcagnca catcagnact tggcaataaa    840
acccacagng agaattggaa aacagatggg gnganagaac tggccctctg gaaaagacag    900
cttnggacaa ggtcaccaac ngaccagatc cnggnaaaaa atccaaggca taaaggaaag    960
aagannggtc caaatctcag gggatccaac c                                  991
```

```
            <210> 4337
            <211> 1188
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(1188)
            <223> n = A,T,C or G

            <400> 4337
ccttaaaaaa ttggggccct ttggggcctt tacttcnggg tagaatnctt ttttnttggn     60
ccaggggaaa tccccccant tccgcnaana aancgggaaa atttgtgccg ggggccaacc    120
ggaagggaaa cnttcttggg ggnccaccca aaggcccccc agggnaaggt ttccaaattt    180
ngggtnttcc ctttttttnc naaagggccn aaggtttccn attttttccc aatttaattc    240
ccaaaggccc ngntnnatnn tgnctangtn cgnnnnncnn atntntnnan ngnggcgnn     300
anattnnntc ntntntnntn tgtcnntcnn nnntnnnnnt nntaanncnt tattnatntn    360
ntatncagcc ncnnntanan nnantnctnn naatnntnnt tntnntactc nncnnattnn    420
```

```
ntngtngtcn nctncnttta nntcatcata cnnatatcat ntaaanaang cntnnactnc    480
ntatnatccn ttngcatctt cantgttttn ttnctcanct ncttgcntcn nntntacant    540
accantnntt aagctctttt tacnatgnaa tactcannaa gagntngagg ttggctgnan    600
tttanctttn taaantcntt gtccnntggg ctcntgaact ttttnnannt tgttggccct    660
ttnactttta ctntnnatna natgggantn cgntnnaatc tntnttcata naattttgt     720
acnnntaanc gttgatntta gnanaaacta cnaggnacct nnntttcant aggnttttat    780
tcctntttn aaccnttnnt ttgatatntt cttaactatn ngcanancnt tacntnancn    840
tntcnntttg nntaaaatgn gnatnggnnn acnncnatan gaccctnnag ctccnncatt    900
ttccttnaan anagcncant tcnantattc tattnnaatc aatnntatca ntcgngcttg    960
ctcttttnan cnnancatan gatntncang gtatntntan gccnanntnc naactantnt   1020
gcactcnact atcncancgn taataagacn tatanaangn tcntnnnatn naaccntttg   1080
nctnacantn atnttgtaca tannttcctc ncnnanannn nagnntnann ttatnatntt   1140
ncatatcann cnatanactn taataagtac tntataaant tncgnncg               1188
```

        <210> 4338
        <211> 941
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(941)
        <223> n = A,T,C or G

        <400> 4338
```
ggggtttttna ataccttgct ncttnttntt tatgcangat ncnntcgatt cgnatnncnc    60
gcgaagntgg cnnatgcnga canggccngt tctgnatgan naatgnncat ctatntccct    120
cccaaanggg cgncccangg atatgtcttg ggatccnatt ncacccatga cgcctactnc    180
ntgctncttc ctctnntgct cnggtnttgt ncacaaatnn nnnggnanca tccnngncng    240
tccattggag atgtcgngna taaactgcnn tagatgtntn ctaacactgn tgnaaatgac    300
gagcatnctt atgagacgaa ggcntccnaa gcngtagntg cccangatnc gaggtangct    360
atgtggtctc ttatctaatc tagaaatgaa aacgccctgt ntnncagcga aanntanggn    420
acgnntgnac actngcttna acnnaanctt anatacaaca ggggaaggga aattggggg     480
gaaaccattg acaggnctta tcanataggg nttaaatnag aggacccacc gnttgtaatn    540
aacatgnnga ttnatttggg ggaatacgga tncaanaggt nccaggttnc acttggtttn    600
tttttaacct tatggccnan tanncggttc aatttggatt ttggggangc ccctttttnca    660
ttttgggaan attnggagcc cnctaatggn cgnggaanca ntttgtnggn tnccccccaat   720
cntaatgggg acccctntna naaaacctcn ggggggtgga ncccntcct taaacccaan     780
nacgctttnn ttgggtttnc caanaaangc nnacccccg gaaaacttnc cctttnngng    840
nnaatttctn caacccccg gggnggaatt ttccctngng aaattggcaa ttcccngttt     900
naagggtgcc caaaaattcc ngnttttggg cccncaatac c                        941
```

        <210> 4339
        <211> 740
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(740)
        <223> n = A,T,C or G

        <400> 4339
```
gngngggnnn nnnncnatnt atacatacag gctacttgtt ctttttgcag gatcccatcg    60
attcgaattc ggcacgaggc tcctggcatg aagaagatca agttagacac tccagaggaa   120
attgcacggt ggagggaaga aagaaggaaa aactatccaa ctctggccaa tattgaaagg   180
```

```
aagaagaagt taaaacttga aaaggagaag agaggagcag tattgacaac aacacaatat    240
ggcaagatga aggggatgtc cagacattca caaatggcaa agatcagaag tcctggcaag    300
aatcacaaat ggaaaaacga caattctaga cagagagcag tcactggatc aggcagtcac    360
ttgtgtgatt tgaagctaga aggtccaccg gaggcaaatg cagatcctct tggtgttttg    420
ataaacagtg attctgagtc tgataaggag gagaaaccac acattctgtg tacccaagg     480
aagtgacacc agccctatgc tcactaatga gtagctatgg cagtctttca gggtcagaga    540
gtgagcccag aagaaacttc catcaagact tgaacagacg ttttggcaga aaaccaggtt    600
cttgatagca gtgctcctaa gagtccaagt caagatgtta aagccaactg ttagaaattt    660
ttcagaacca agagtgagaa ccgaaagaaa agcttttgaa aaaccaaccc ttaagaggaa    720
aaaaagattt tcccactntc                                               740
```

```
        <210> 4340
        <211> 890
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(890)
        <223> n = A,T,C or G

        <400> 4340
angttggaaa nccngncntt tcaaatanct aggctactcg ttctttttgc aggtatccca     60
tcgattcgaa tncggcacga ggnccnttgg ngtnggnnat tntncannaa tnntnnacgg    120
acannncttc gcnattatgg tgntcttggg tgntngggnt tgttggttaa ccctacatca    180
taangcattn aatgnattan atnttgtnat tgntgncaaa anggaatagg gtcnacaant    240
nctgtgngna tnnaacctgn ntcanatngc ntttggnaat nttctntacn cnnntttnaa    300
ttccactgta aatnntgacn gattantncc nantggnttn tcnttggaga aaatnnattt    360
tncactcncn gtctncacnt tntatnaagc gtatttatg ctggcnggnc cnccatanat     420
ctacncccct ttgatgcctn tggnnanaaa taatgttaan tagtgcgcaa antngntatt    480
gtnntgngga caancntaaa tgngccatta nnggcntacn atgcnnttat gccacannac    540
cannongcna nngnttttga ttangggnan gcattccnta aacaacccng cncnatgaac    600
tngaactngn ttgggaattn antnngggaa tnaanttggc gntnatgggt gnnggggnccg   660
cctttacccc gnccacanaa attccttgng caatttnnnn ctttaaaagg nccananggc    720
nttaatgggn ttnggnaact tntaancctt tttttttgttt gctntttang gngtggccna   780
gatggcacaa ncnncnngaa ntntnggtgc ntnaacctct gnttnaannc taantagggg    840
antgccaaat ggntttttnnc tttngcnccn aatantnttt ttcttggggng             890
```

```
        <210> 4341
        <211> 776
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(776)
        <223> n = A,T,C or G

        <400> 4341
ntgnnnnnnt tnncccctttt cnaatcnctt ggctactngt tcttttttgca ggatcccatc     60
gattcgggag aactgctcac tccttttccc tccccataca aactcaaagt cccctgggcc    120
ccaattcaga gttatgtttt ttttggcaca tactagaaag gcagtgcctc agcccttccc    180
tgaatccatg gaggtgttct gtttggggct ttttagactg ctgctgctca gctggttgct    240
tgaactgaca gtaggccagc ctgttctctg ccattcccta gtcatcctgt gcctcaccac    300
agcttgctta gagcaagcct tttctcagac cttaggcaca gcctctcctc tttacctgat    360
caatgttaaa tgtaagcacc cctgatccca ggacataagg aaagatgccc aattgtactt    420
```

```
ttgttctata gcctgtgaaa tggctagttg atcattttc cacaaagaat taggtgttaa    480
gagtttttcct tcaggcttta cttaggagaa tggactaagc tgaaaggtgt acttcaccag    540
caagaagtca actctagaaa ttcaaggatg ttccttctaa ttggtttctt aagccatctg    600
tcanggaaat ggtaactttn ggntttaatt tttnggctta attcccaagg ggggtaaagc    660
ccagnaaaaa ttngaaaaat ggaattattt tcctggatta aatnagcncg naaacctttt    720
ttcnaattct tcaaattntt ttaaangggg gtcttgcttc tttttnaaaa gcctnt       776
```

```
        <210> 4342
        <211> 752
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(752)
        <223> n = A,T,C or G

        <400> 4342
ntggannnct ttcccctttc taatncttgg ctactngttc tttntgcagg atcccatcga    60
ttcgaattcg gcacgagcct tccacggtta tttcacagat atggagagct ggaagcaggg    120
agtgagtctc tgagtgttgg aattgtaagg gatcagaagc agggatcaga agcagtggtg    180
aagttcatcc accataaaac acacaggtga ctttgccttg aatctgcagg actgaagcca    240
actcttgggc acagaccctt agtcccttcc ttggccactc taagtcagat agtccagagc    300
caggcccttn gggatgtgac accgagataa atcagagaaa agctgtgaag cttggggaac    360
agagggactt ttggtgaagt aggtggtctg cagtttctat cttcttggga aaagcaagct    420
ggaaaagtga acagtggttg gtaggccata gtgctcccag ctgggtgaca taatgaccac    480
acagcacaag tgatgttatt agcaactgtg tggtgggagt aggttgtngg cttggacaaa    540
atcaatccgn gtgggaaaat tgttaggaag ttttattaca tttaaacttg gntaacctaa    600
aatcccntca aaanaaaann antctngncc aaanttaagg gtntnnnaat naaaaaaact    660
ttngnnccctt taaaacttnt cgngngccnt nttaacgtta aatcccgnca tngntacgaa    720
tccnttggtt gaattttngc caaacccact tt                                 752
```

```
        <210> 4343
        <211> 1069
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1069)
        <223> n = A,T,C or G

        <400> 4343
gcncaannac angannnnnn nnnnaanaaa caacccnaaa nnannngnac cnannannna    60
nnngannqnn gnancagnag gnnangngtn anccgcnngg aaaccctgcg acccacganc    120
ggnggaaccg gcnnaggccg dacaccnngg cngnggncac gcggnacagn aggccacggg    180
gagcagaaca cngnanacgg cnnngaaacc nncccaccan canagagaga nnggaagtga    240
cagcacannt ggananagncn aagacccana ngacgcagaa aacaanggga cangaggcga    300
angcanangn ggaaaaanan agcggaagaa caganacgga dacaagncac caccgnnang    360
ncagaggcca ncganaccnn ggnnngccng ancaanagac aaacnccgac ncannanang    420
cggccnggan nannccngagg angcaaaaga gagaaangaa gccagggaag ganacnngnc    480
atncnnnccn ncnnacgaan ggaaacgagn aanncagcan ggcnggacac aacgacacng    540
gaagcaannn ncgnanggaa cngaaacnan ccgaagaann ggancgggng nnaatcaaaa    600
gnggaaccnn ncgaangncc ancncancaa gggcnnncca angngccann aannngncna    660
aaaagcgccc nccaagaggg ncgacganga cgnaacnaga gnccgacggg nagncgaaga    720
ccaaancagn nnccaangaa ngcagaanng gagcnaagcc cnngaannng anaaaaaang    780
```

```
ggcncgggnc ncacnacgaa gccccanaa gggggaaana acgnagaggg gnaacagagc     840
ccnannnnnn gcgngngana ngacacagga nnacaaangn gaaaagggan ccacancann     900
gnaacccgg gcaaggggaa acncccaann gcaaagaaga aagaacagag cacgcaaagc      960
agaaangnaa caganaacaa gggaacnaaa gagcgngaca cagnancnaa nggcaacnan    1020
nngnaggcna cccacgncan ngnnangccn nnagnacann cgcnanncg               1069
```

```
        <210> 4344
        <211> 459
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(459)
        <223> n = A,T,C or G

        <400> 4344
ttgatccata tanatacnnc tanttntgca ggatccctcg attcgaattc ggcacgagnc     60
ncatnccnac cactactgat gantatnntn caaagagnga tacnctntgn ctnatggnnt    120
naacnctcnt tatccaantg ggnaaggaac ttggcnccgg angacgcaga tgtgtncacc    180
tcattntcaa ggaaanctgt gaancccctg cctcctttn cttgcctcng antgtntgtg     240
acnacancgg acnctnnnnn catcncnanc ntgtagngna acggnantgg aanatcngtg     300
cactcgtnta tnnnacngng agggaccatn naccnaagnc ancttagcaa antggcttng    360
atgctgtggc tgannancna ctgcnggtgc attcggacac atttgcccat nacnctgang    420
cncatttctg nggggtcaag ntcatnctga tcttntgng                           459
```

```
        <210> 4345
        <211> 784
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(784)
        <223> n = A,T,C or G

        <400> 4345
ttnnaacctt tgcatttgan ccctttgcag gatccctcga ttccaagnng ncacnaggtn     60
ngctgnacnc ttggctaagg nnactgattc tgngcnccct acccatgttc atggnangnc    120
cgngcctnct ctggccatnt gccncaacga ntattcntnn cccnnaattg ctnatntctt    180
gggatantag nntanntgan ngatttngca agacnagaan gtntctacnn ntctgnccan    240
nacgtncgct acttntnagg ccttaacaaa tcttggncat gcatggnata tatatcttcc    300
taangnaccn catgncaggn tccatnccat tcattgaatg ccaangatan accagctnct    360
ggtncnnaag nagtnntnag ncancntanc aaaganccnn gggcccntgg ngnttgacan    420
cattcatcgt ggaggaacaa tggannnagt ctnactttcn cnanncnann ttctgattna    480
aggnttgtga aagagtatta catnancgtg nanntcangg ntgatntanc ncanaaatgg    540
canctttnnc ttgcatcnag ggtctnggcc cctttntnca taaaaanngg atctgaatag    600
gctttnntan ttaccnncnn cacaccnnat gnantaanct aacccttgc naangttagn      660
nnnctttacc acanaggtcn ttacncaaaa ntannnggtn anaaccccng ccantttct     720
agattantnc ccaacttang ccctgncatn cacttgatac anggccccct tattanaatg    780
aact                                                                 784
```

```
        <210> 4346
        <211> 887
        <212> DNA
        <213> Homo sapiens
```

```
        <220>
        <221> misc_feature
        <222> (1)...(887)
        <223> n = A,T,C or G

        <400> 4346
caaanccttt gccccttttc aaatcncttg gctactcgtt cttttttgcag gatcccatcg      60
attcgntgct gcgactcagg cncnntgnat ggnaantgac ataatgtnan cnanangcnc     120
tctgntgtat gagttgtgct tggtttgnnc nagnaggaaa ctgngnnntn tataactacn     180
ccnangccnt ttggacaaca gctgggatcc aaccnttgct nntngnnnna ntgttctttt     240
cagnncctcn tgggntagac canaacantt ccttgtnaan ccnaacnngn caaaacntng     300
nancagggnt ncgtnccca angtnnttnn ttanngnccc cnnngnngna aacnntttca     360
accccttgnc tttggnanaa nncttngggc cntnaaaatn nnttnnatan naccttnnnt     420
ggggattcnt ttaatttcta ntnaaangtt ggtggtccna ttttaacctn naaaatgnnt     480
ngcaatgnnn acttataacc cttanatcgn ttgncttaat tgaaancntt aacngtctaa     540
acnccttnag ctaaanctcc caatatcgnn ggtaacccng gngnatgnnt ngggggccaat   600
ggnnntttca annnnnctnn aagatcctcn gnatnnnnag aaggatatnt nccnncntgg     660
gantanttct ctgnnntatt cnnncgaaaa aganacccttt gncctcttnn nattgnaata     720
ttngcctngt nttaaaancg nngncccant tttgggggaa tatnnnnttt ctnnganana     780
aaaatggggc ccnccctgggn tactttatat cnttntnnng aaaanncccgn cnaanatcct   840
ncatatggtt ggntcntttc atgacngcgg ggnttanttn ntncccg                   887

        <210> 4347
        <211> 463
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(463)
        <223> n = A,T,C or G

        <400> 4347
tattcnatct gctacttgtt cttttttgcag gatcccatcg attcgagann aggangaang     60
acnctntgcn tggnacaggg ctntgnccct antctgaata tgtcattccn ncacggngan     120
cnnnagcctt tnnntctccc catntttggn aattactttc ttgangatgc tgcctttnaa     180
angcttcncg tacattatcc atntttaaaa aaatctntgg actggatcta ctgaagcgcc     240
nttgctntat taanntnagg gcctcnagca cctaaanntc tngaccatnn naagacattn     300
ntncattnna ctnctttgta taactaaata ctctntannn atttcnnttn caatacngtg     360
ganggnaatg anaagcatnc taaanttggg tnaatntant tcnntnanna tgtnngacna    420
aagaagaaaa tngcttgtnt tcaggttcat nggcttgtgc tgg                       463

        <210> 4348
        <211> 765
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(765)
        <223> n = A,T,C or G

        <400> 4348
tttcnaatgc ttggctactn gttctttctg caggatccca tcgattcgaa ttcggcacga     60
gccngtntnt nctaatnntn nnatgntnac ctgggnntgg tggtgggnng cntgcagnnc    120
canctactca gggngctgng gcatnanant ngcnngaacc caannggtgg nagttgctgn   180
```

```
natccgaggt tgcacactng nactccancc tgnccacana tcgagactng tcttataaaa      240
antaannnga nnatgnnaga cctatcagta gggtgancac ntgtccttnn gctntgcngn      300
tcnacnttna tgcgatgnga tccantgang ttnacccccn ttccactnnn tngnnaantc      360
ntnnnttaca tnctgtgntc cccaaaacat ntcacgtaac anttattcct aggtgcagnc      420
tcnctatcnn taggntcttg gtnggccaaa ttcctgggat cangtgaagg tgggctgtnt      480
cagtaanaan tgaatggact gnanagngcc cattttacaa ggaccatnct tnctgggggc      540
aagccaataa attatttncc ctntttgggg gaaaanaatt ttcggganccn taaattanat      600
ttcnggaaac cnncccnaaa gncttnattt tcccnnnaca aannttngng ganncatttt      660
tanggggnna nnanaggngn naagggtttc ngttggnttn gcccntaant tcccaaggnc      720
ntngaaaccc ttatggggnn accncattcn ggataatttg nnaan                     765
```

```
        <210> 4349
        <211> 891
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(891)
        <223> n = A,T,C or G


        <400> 4349
gtcntctttg aaancccttt gctacttgct ctttctgnag gnaggcatcc catcgattcg       60
ccnacgcncn gngngcaggc gggttgctna tggngcnctc ttccgcttnc ttgntnaatn      120
actntctgnn ctngctcgnt cngctgctgn nancggaann anctcnntct aaggcggtga      180
tncnnatatc cacagantna ggggataacn cnagacngaa cntgtgatcg aaaggccaac      240
agatngccta naaccgtaaa nangcanant agcngncctta tatccatang ctngctgcnc      300
ntgactagca tatcatanat gtcactgtca tgtncntncn tngaaaagnc cgtnaggnnt      360
nttatgatac nnggcnnntt cacttggann ccanntcaag cncncngctg ttacaatgct      420
gnngctgaat gnatacccgt ccnacntgnt nnattaggna acntgggatc ncttctatnc      480
actgtnacnc tcatggggtt ttgggnaaat gcccaangnn nngnccgnna ttccnccgn       540
aagntttgng gnatgttgtt gnngaccgna aaccccttgg ncgttaccaa ttggggggga      600
aanaaccttg ttgggccttt taaaccccgn ggtaaaaacc ttnatacgga aattttagga      660
gtttgnccan atncccggn ggntnaaggc cnnacccaat tgtttaaatt cccccaacn       720
ttgnccttg nnnnaanggn ccttggtnaa accggggggga aattcccctt ngaacancgn      780
antagggtng ggcanggcnt tttanaggga ntcccctnga aaagcggctg gnnggtnaac      840
ntttcgggct ttggggttga acangnantc tncaaattng ggaaatcntg g              891
```

```
        <210> 4350
        <211> 812
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(812)
        <223> n = A,T,C or G


        <400> 4350
ttnctaannn ntncttnnna nnnnntggga nctttnnctn nctccannna tncnanntgc       60
nttncggttt gggagtcagg cctgggcagg accctgctga ctcgtggcgc gggatctggg      120
agccaggctc tccgggcctt tctctggctt ccttggcttg cctggtgggg gaaggggagg      180
aggggaagaa ggaaagggaa gagtcttcca aggccagaag gaggggggaca accccccaag      240
accatccctg aagacgagca tcccccctcct ctccctgtta gaaatgttag tgccccgcac      300
tgtgccccaa gttctaggcc ccccagaaag ctgtcagagc cggccgcctt ctcccctctc      360
ccagggatgc tctttgtaaa tatcggatgg gtgtgggagt gaggggtacc tcccttcccc      420
```

```
aaggttccag aggccctaag cnggatgggc tcgctgaacc tcgaggaact ccaggacgag    480
gaggacatgg gacttgcgtg gacagtcagg gttcacttgg gctctctcta nctccccaat    540
tctgcctgcc tcctccttcc nanctgcact ttanccctag aangtggnng acctnanggg    600
gaanggacaa gggcaaggng ggccccatga aaaaaaagcc cctcnnttgn ccnacacttg    660
ncttgannnn ctngcttctt nctggtggcc ccanangntn ggnnttnncc aaccccacct    720
gggatttnct tgcccnttgg gggnngnact tggccccttt cctggnnttt tttgccnnca    780
cnngggcctt cnttgggaac ctttgtcacc ct                                  812
```

```
        <210> 4351
        <211> 938
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(938)
        <223> n = A,T,C or G

        <400> 4351
ntttctaaaa tggccctggg nccccttttt ccnaaaatcc cctttgggcc tncttttncn     60
aaaaatcgcc tttgggcnaa ctccgnatnc ttatntggac angggaatcc catccgantn    120
tccgganatt tcggggccac cggaggggaa tttngtggna ccatggggtc gggttacaat    180
nananagggg taantnacca ttgggatggt taaaatnana aagggccaat caccattggg    240
acngttacat aaaagngnat cgctgnggca agccaccaaa caattcccat nanggaaatt    300
ttnnagaact tttannggaa tntggcncaa attnttcaag ggcccnttta nttctcagan    360
caccccggnc cttnttggat naatganggc tggcggnngn ntggagnaaa anngacccan    420
nttaaatngg gnnaccnnna tgaaaggttn ggcncnngaa tgaacccccg taccctnaag    480
gccgttantc cnaantngan acntaaaact nnacnaaaac cattgtctgg gnccaactaa    540
tggcggaccn ttggccaacc taannttta acngnncatn ggaccnaanc atnnaaancc    600
nggaacagnc ggaaaaanag gncgtganac tnngataatg ncatcnggaa cnnctgaccc    660
tgnnnttccc tatgangggc aaaaaaaagg cctccnaagg gtnngacccn tttnattnnc    720
cccnttncga nccaacgcnt tcattncccc tcncagggggg nntcaaanan ggccntcncc    780
ncntgnaaaa cgacngtccc ctggggcctt ttccaataan atnncncccc tttnntnacc    840
ccnnnntaaa aanccgnggg ngaanaaaag tcccctnaaa aaatattccc cccnnncncn    900
tgnccnacca ctnaatnctc aaatnaaanc cntttcnc                            938
```

```
        <210> 4352
        <211> 938
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(938)
        <223> n = A,T,C or G

        <400> 4352
ntttctaaaa tggccctggg nccccttttt ccnaaaatcc cctttgggcc tncttttncn     60
aaaaatcgcc tttgggcnaa ctccgnatnc ttatntggac angggaatcc catccgantn    120
tccgganatt tcggggccac cggaggggaa tttngtggna ccatggggtc gggttacaat    180
nananagggg taantnacca ttgggatggt taaaatnana aagggccaat caccattggg    240
acngttacat aaaagngnat cgctgnggca agccaccaaa caattcccat nanggaaatt    300
ttnnagaact tttannggaa tntggcncaa attnttcaag ggcccnttta nttctcagan    360
caccccggnc cttnttggat naatganggc tggcggnngn ntggagnaaa anngacccan    420
nttaaatngg gnnaccnnna tgaaaggttn ggcncnngaa tgaacccccg taccctnaag    480
gccgttantc cnaantngan acntaaaact nnacnaaaac cattgtctgg gnccaactaa    540
```

```
tggcggaccn ttggccaacc taanntttta acngnncatn ggaccnaanc atnnaaancc      600
nggaacagnc ggaaaaanag gncgtganac tnngataatg ncatcnggaa cnnctgaccc      660
tgnnnttccc tatganggggc aaaaaaaagg cctccnaagg gtnngaccccn tttnattnnc    720
cccnttncga nccaacgcnt tcattncccc tcncagggggg nntcaaanan ggccntcncc     780
ncntgnaaaa cgacngtccc ctggggcctt ttccaataan atnncncccc tttnntnacc      840
ccnnnntaaa aanccgnggg ngaanaaaag tcccctnaaa aaatattccc cccnnncncn      900
tgnccnacca ctnaatnctc aaatnaaanc cntttcnc                              938
```

        <210> 4353
        <211> 599
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(599)
        <223> n = A,T,C or G

        <400> 4353
```
gnnnnnnnnn ngnnnnnnnn nnnnnnnnnn nannnnnnan nnnnannnan nnnngngnnn        60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnan nncnangtgg aaaancccgt ncccnnnnnc       120
ngggnaccat cnnngncggg aanccgaagn ggaaggngan tncgggggnnc cggangaaaa     180
ncangggtgt tggggggggg gggccgtatc annngaccan ggggngaagc acttnggnan      240
agggagcaaa gacacantat gtaaaccnag gaggaggaga agaangcaaa nnngcatgng      300
aaatnnagnt tgaagaancg cttttttttgc tnttcagcaa tggtatnnat gaacaacaaa     360
aatatagaaa aagngagaaa aaggcaanna tnaantatnn nctgaggaac aacaacaaag      420
acaaaaaaat gggggggggat tgatttantn tcccctgaca agaaaaagaa tnggatcttt     480
agggnctaat gcaacctggc agactcactg agggngaang gaatgngctg aaaaaattcn      540
agcctgacnt ggcaagctcc caangggaca ccaccncaat ggagaagaaa gcaggaaag       599
```

        <210> 4354
        <211> 812
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(812)
        <223> n = A,T,C or G

        <400> 4354
```
ttnctaannn ntncttnnna nnnnntggga nctttnnctn nctccannna tncnanntgc       60
nttncggttt gggagtcagg cctgggcagg accctgctga ctcgtggcgc gggatctggg      120
agccaggctc tccgggcctt tctctggctt ccttggcttg cctggtgggg gaaggggagg      180
aggggaagaa ggaaagggaa gagtcttcca aggccagaag gaggggggaca accccccaag     240
accatccctg aagacgagca tccccctcct ctccctgtta gaaatgttag tgccccgcac      300
tgtgccccaa gttctaggcc ccccagaaag ctgtcagagc cggccgcctt ctcccctctc      360
ccagggatgc tctttgtaaa tatcggatgg gtgtgggagt gaggggtacc tcccttcccc      420
aaggttccag aggccctaag cnggatgggc tcgctgaacc tcgaggaact ccaggacgag      480
gaggacatgg gacttgcgtg gacagtcagg gttcacttgg gctctctcta nctccccaat      540
tctgcctgcc tcctccttcc nanctgcact ttancccag aangtggnng acctnanggg       600
gaanggacaa gggcaaggng ggccccatga aaaaaaagcc cctcnnttgn ccnacacttg      660
ncttgannnn ctngcttctt nctggtggcc ccananagntn ggnnttnncc aaccccacct     720
gggattttnct tgcccnttgg gggnngnact tggcccccttt cctnggnttt tttgccnnca    780
cnngggcctt cnttgggaac ctttgtcacc ct                                   812
```

```
<210> 4355
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(819)
<223> n = A,T,C or G

<400> 4355
gcttnaatgc ttntctaatg cttggctatg cggatccctc gantcgaatt cggcacgagg      60
acctatcttg atctggatag taaagtgagg actttaaaaa agtttnttaa attactggga     120
gaaatcatgg agcacagatt caagactttt cancatttaa aaagtggtt ngnctttncn      180
angcaanttn tncttngcca ncttactatt tcancggncc tatgnngaaa aaatcaantt     240
ttgccccatg antnanttan gnncgttacn ccntcncnng gagctcnagg acctgcctgt     300
nangaccagg gctgggcctt gccaacccan ggcaatgttg gggccngagg ctgctgtgtc     360
tgnccaagct nctntcagag tccaattccc cangcctaca gcgctgtcag cttgcaccct     420
ggcattctca cagagctggc ttgnccaccc cantggggggg ctatannctc agagaccact     480
tcatcctcnt ggaatcnacc tcttttctaa tacccntctt tggaaaaaag agcttgnccc     540
ntnctnnang caacactnng aagcttntgg gccntggtgn tgtaataatg gtcttnccat     600
tnccgttgaa acnncantgc ccntggttgn tgttntcgtn cagntgtcgn tgaggnaacc     660
ttnggnattg cancntttan ggccccaagn ntccaaangn atntncantg naancctncc     720
ctatacccccn cancccccnan ttnanntaaa attnnccnna aaaacccttt naaatatana     780
aaaacncana aacttttgng nccttnanaa cttttngcg                             819
```

```
<210> 4356
<211> 913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(913)
<223> n = A,T,C or G

<400> 4356
cccngcgnnn nncnncacng ncngnccgcn gnancgnncn nngcgcggnn gcngncnnnn      60
nccnnnnnnn nngnnnnagt gcancnatna gctcccggcg dacncagnnc cagacccnng     120
nggncgaggg cgcgngcag gnacnnnttg nntttcggtn tgnccncga gccgagngcc      180
ggggcanggc ggnnagcncc ggnccagngg ntgtgngcnc angngngngc nngcggncgn     240
gggcgccctg gtcngcgcgg gnctacccnc ggnnggaggg agattncgng ngngcggncg     300
aggcacantg gggccggagn agnanggtgc gcgncaggg gnaanacngg ctngtncgcn      360
gnggccnggc cntctgngcc aaggagnccc nccnccgag nggggcggna tccnggcccn      420
agccgnttac nagccnnaat cnacnnnggn cccagaggcc cccggtcccc nacntnggcc     480
cgaccggnng ggnccccgn gggggggaatt tcnnngaggc naanancggt nnggnaaccc     540
gnncgccccg tcaagagaac cggcncnnac nnccaacagg gccnaagngg ggcctagtna     600
aacaaancc cacgcccacc cggcggnang ggccncgnn gggngttacc ntatccngnc      660
cgnaagcccg gaancggaan ggggccntgg ncaaaaagcn anggggttnnn ncccccntntg     720
gccnnnangg gcccnccgng aaaactnggg ggggggggngg gnccccaagt atncgggggna     780
agccctgnag ggggggggann gtaacccttn nnncctcnta angaaacggg ggggggncnnn     840
cccccccca aggggggggg nggnttnaag ggcgancca ncnacnctnt gctcgnggaa      900
nnaccccgcg cgg                                                         913
```

```
<210> 4357
<211> 745
```

                 <212> DNA
                 <213> Homo sapiens

                 <220>
                 <221> misc_feature
                 <222> (1)...(745)
                 <223> n = A,T,C or G

                 <400> 4357

```
tttctaaatg cttggcnact cgntctttct gcaggatccc tcgattcgaa ttcggcacga    60
ggataggcca cattccagta agaactcaat ttgtctccca aatttgcaga aacaaaacgt   120
gatttaaaag ctgagctttt tatcagaagc ttttttgatg ttttaagtgt tatgtgactt   180
gttgaacttt ttaaaaagtg ctacttttaa aatcccagat actctgaatt ttagaaaaca   240
aactaattct gattgtgtcg tgcccaagtn cccttttttt ttaatgaata nggaccaatg   300
ccacattgct ttttatattt ctttcttttt taatgtngcc aaaaccaaaa gtagctttgn   360
tttcctttgt attttgctac tttgcagtat ttgtgtgtgn ggttnttttt ccttaatttg   420
aaagggacag cactgtgtat gtttataaac taaatgaaga tnagatatta ttttgntaaa   480
cattcatctg agaacaatca angcagtagc ccatggngct ggctnctttg cagcannaaa   540
ccntgnacat tttgatgact gtacaacang gaagaacttt gaaaaaatca cggtgggatt   600
catattaccc accggntntt catttcatgg gannctttct tgatcaaaaa aaagctnacn   660
tccgtaatnt nntnatttat cctttctgtt ntcntaanaa aatatngggt tgttttggt   720
ncccanaaat ggnaattttt gcnnt                                         745
```

                 <210> 4358
                 <211> 893
                 <212> DNA
                 <213> Homo sapiens

                 <220>
                 <221> misc_feature
                 <222> (1)...(893)
                 <223> n = A,T,C or G

                 <400> 4358

```
nnnnaanaan anngnncana nncannanng nnncnncncn nncannncnn nnngntnann    60
nacgnaanac annnannnag nantccnncn nnnccgcncg cgnnnnnnnn ncagnnngcn   120
gnagncacnc tctttnaaat cncttggcng agntccatgc angnatacca cgcagcggna   180
ggacaccngg cgntggggnt cnngtagtnn ggncacaggn ngggncntat ggcaganaag   240
nacncagcan cnacccagag cgtaatgggn ggccganacn ggntggggng cacgatnact   300
gtnccaanaa agacggagaa ctggcagcaa ctgcangngg cggtggntnn cnncnacnac   360
nnattgcnag tcatagcggc tatgtgcana ttgactggaa gagagttgaa aaagangnan   420
ataaagcnaa aagacagant aagaaacgag cgaacaaagc ancaccngna ancaacacnn   480
taattganga agcaacagaa tngatcaagc agaacatngn ganatccagn gggatntgng   540
gggaggctnn nagctcggac ntgcatctna aggacaatga atattcnccc anaaacggat   600
ncaaactatg aanaacagaa gtgggcagcc antaaggcag nntctcaaaa gncatactcg   660
ccaggantct ctanggcaag gagaaacaac cnngntggac aattantcaa ttccaaactn   720
tanccattat gccaanctgg aagcttggca aaactagnna tcngctngan aaaccaacct   780
atatggggca tgcggaaccc ngangnantn ccccgngcaa aaacgnnggc tancaancga   840
ntnagcanaa aanatggcnn ncngtnnaag naaacctngc cctaanaaaa ccn          893
```

                 <210> 4359
                 <211> 1837
                 <212> DNA
                 <213> Homo sapiens

                 <220>

```
<221> misc_feature
<222> (1)...(1837)
<223> n = A,T,C or G

<400> 4359
cgggtttggg gntttttttcc nngnntgggg ggnaaaaacc cccccttttt ttttnnggggg    60
gggacanaaa gngancntnc nctcgnngcn cgngcgnnn gcgngntgcc tnanncgtgg    120
gcncgnntgt gtgggngntg gncgtantgt ncgctncggn gcngcacaga tgnngcgnng    180
ggggnngtnn ngnngagnca gtnangncng cnagcnnnag tgntntttt tngcnangnc    240
ggncnanggn gagagntgnc nnnngnggg gggnatggna gcaggngngn ngcgggggg    300
ngnnggngnn ncgngngcgn naggaggnng gnggggctgg nncgggcgng gnnncgcgcn    360
cngtnggccc nnnngtnncg gngtgggggc nnaggtggnc gggggcaggg gngttactgn    420
tttggcgcga ggngngncca nngcangna ncngagtgng aganngggcg gcggnaaggn    480
ngtggnancn nngtctngnn gncggngnnt tnagacgntn cnnnnggang agngtgagcg    540
ngnnggcngn ngagnntgcn cacgcagngn nngggagcga gnngctggng angtatganc    600
gnggggcggn ntgnnnggca nnataggntn nagtgngaca ngcncnggtc ngaggnntnn    660
gtnnatngct cgntnnnatg gtgnnnngca nnangtcgag ggncgcgcgc tnnaggaagt    720
gtgggggtgt cnctntntgt ngggttangg nngagnnctn nntnagagct cgnggnnnng    780
ccnnnnagag tcgcnncncg aggtggnncn gacgngccac gangtncacg ngngtntggt    840
gnaagcatgt nggncgtnac gcatcgtacg cgntnngnng ttgncgnnac gcnctnnggg    900
gctcgancnt nanngcgang gannggggga agggcgcgg nccacggtnt ncnngactgg    960
ngtgngngag gtctngtgcg gtggggntag tgngacntgc agncnntnct caggananggn  1020
gngggactgg tagctnacag ctnngntatt nggacggcgn gcganngtg nnantgtgtg  1080
ncgngngnan ggnggncgan anantcntcg cggntcntga dacggagctn gngagcggng  1140
ganngngng agngnngaga nntcgtgagc naggagaggg agcaggcgnt gnnagcngng  1200
agnggtgtg cnnnangtac agtgtgnagg ncagagnncg cgantnngga gtnccgcncg  1260
tntcggnngc tntgacgtgt ntntcggtnt nggggtngc gtcngtgnnn ncngngtntn  1320
nnnagggcgn gnacgtgnnt ntgtggggng catagtatng gcgctnnanc nctgtcgcng  1380
cgagaggtna gtgngtntgc nncgcagngt ggngnagtga nggcgggtgt ngtgannggg  1440
ggtgtnncgg tnagnggcgn gggacgtgnt gnganntgcg ngnnnaagca cggagcgngn  1500
gnntcgcgcg gcgagacngg agattnngan gnngaggcnc gngcncncgg aggtangcgg  1560
tcntngagga gcnngnggta tggtngcgca ngcgntnttg ngcgcntngt gactgggagt  1620
ncgctntngc gntagagtac ananggaatg tnatctntcn ggnacgggat gganacgngt  1680
ggnganagct gcngnctcga gggacanatg gcgcgcggtc ggnagnagtg ngngnagcgc  1740
ggacgngggt ctgagacgcg nnggtggggn nnttnganan gtanngncnt gngngnggag  1800
nnngnntgat gcngggagcg gngtatatna tggngnt                          1837
```

```
<210> 4360
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(842)
<223> n = A,T,C or G

<400> 4360
gtnacncccn gcntttctaa tgcttggcga tcgnactntn tgcaggtatc ccatcgatnn    60
gaatacngca cgaggcgagt caaantgtnt ntgnnagcng anctcctnnc gggaccngng    120
ngcngngntg ncnntgatgc nagggtggtc atgtnnnnca ncaangccnt ttttgntggc    180
cnccnctttg ntgaangang gatgtggaag aatgagcttg atncttgtna nntgccnaat    240
nngatggcca anngattgta tagacnctcc catatggtga canacccagt ntcancttaa    300
ntgaatgtac tcannnnncn ngccntcnn nnntcnagnc nccttncttn gnactntann    360
nntctntatn tttatganta cccntantgt ggtgcnnnct tgagggggan acanatccta    420
tgntcatncc cngnnnancta cttttggncc nccagatccc catgntttt tccatgcnct    480
```

```
gncaacttgn atctnttaaa tacatagggg gtgnacgngn gtataantac naactcttct   540
ngggtgntgn nganaantnt gnccangcct gatntcantc tcangtgttt agttaaaacn   600
attnnnnata cacctttttt tnacccnttt attggggtcn aaaaaaaant tncgtcccgn   660
tttggaaann tngnttggnc cctttttntt ngnancaatc ccngaacctt ngntaaataa   720
ntanccctcn tttgaanata ntggannnng cncccttncc ntcgtttttg gtcgcnggga   780
anaaaaaaag gnctcntttt tcntngggat tnttnttggg ggctcntngg cctttntttt   840
nn                                                                 842
```

```
        <210> 4361
        <211> 766
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(766)
        <223> n = A,T,C or G

        <400> 4361
ggnttnnnnc nnnnnntttt nnnagagccg gnnnnnngnn nnttnanaat agncaggcta    60
cttgttcttt ttgcaggatc ccatcgattc gaaacaacgg agttctcttt tctgaatctg   120
caaaaaaggg tactcacttt gtccagttat gctgccaaag aaatattcct ctgctgttcc   180
ttcaaaacat tactggattt atggttggta gagagtatga agctgaagga attgccaagg   240
atggtgccaa gatggtggcc gctgtggcct gtgcccaagt gcctaagata accctcatca   300
ttgggggctc ctatggagcc ggaaactatg ggatgtgtgg cagagcgtat agcccaagat   360
ttctctacat ttggccaaat gctcgtatct cagtgatggg aggagagcag gcagccaatg   420
tgttggccac gataacaaag gaccaaagag cccgggaagg aaagcagttc tccagtgctg   480
atgaagcggc tttaaagag cccatcatta agaagtttga agaggaagga aacccttact   540
attccagcgc aagggtatgg gatgatggga tcattgatcc agcagacacc agactggtct   600
tgggtctcaa ttttagtgca gccctnaacg caccaataga gaagactgac ttcggnatct   660
tcaggatgta actgggaata aaggatgttt ctgttggaca tgtactgaaa attaacacat   720
gtngtancct taaaattta gactttctcg acatgaggct ggtacn                  766
```

```
        <210> 4362
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(746)
        <223> n = A,T,C or G

        <400> 4362
tttgaanccct ttgaacccct tttgcatttg aaacctttgc aannccgctt tttgcnggac   60
cccatcgntt cgaattcngc ncnanggcaa ctttnnggaa ttcntacngt tgangactgc   120
canatgaana cctactttca actncttttt ccccccctcta gaagaatnaa atcgnatctt   180
ttacttacct ctggcnaaan aaagaaaaat gaaaanagtt catttattca tnctgattct   240
atntancaaa actgantgnc aaaagtgcct tcngtccaca cacacaaant ctgcatgtnt   300
tggttggtgg ntctgtcccc tnaagaacaa gctacacatc atggntacan tataaattct   360
cgatctacct taangatgag gactccntnn agaancattt gctattgatt aatacactgc   420
ttnggcnngc nagttnanca tncntgcagn ntgtctanag accacanang ggccttttgt   480
ttaanganga atgatgntta nactntttn aaaacctata aaatgggncc ntttnnactt    540
tgttnacant naaangcata agtnggncnc tggncantac cnantatnaa aatgtctanc   600
ttnggnaagc ctcatgaaan gnggagngn tagaccgtaa tactggccca aaggngngag    660
actttaactt ctgtgcacnn cctgggncan accacctgcn nctgcctnta tgggttnacg   720
```

```
agctnntaga cagaagaaca gtttgc
```

```
        <210> 4363
        <211> 900
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(900)
        <223> n = A,T,C or G

        <400> 4363
tcttactttc tttttngaaa cccttttacg caaggatccc atccgatttc gaattccggc     60
acgagcagag nagccctttc ccagnaaagc ctggacaccc gtgtctttat ttngnnagcn    120
cgtgctagtt gcttttaact ggccgacagg tggctggtat ttagcccctg aattataagg    180
aaagatagga cagaataaca agcaaaaggg gtccgatggt ctcaccactc aacgctaggc    240
gaaggtctca ccgttcggcg ataggcgata gtctcaccgc tcggcaattg tctcaccact    300
tggtgataag tgaangtccc ttcgtggtca ccaaaatgtg tncagaattg gtgggttctt    360
ggtctcactg acttcaacaa tgaanccacn gacactcgna gtgagtgtta cagttcttaa    420
aggcagcntg ttccggnagt ttngttcctt cctgattgtt ccatatgttg tttcannaan    480
ttccttcctt tctngntngg gttccctngg tcttcgccnt gggctncaag ganatggaaa    540
ncctgcaaaa cccttctcncc ggtnaaactg ntttaccagc ctctttaaaa tttaggnccn    600
ccattttttgg ngangtttng ntttccnttt cccttccccn attngnggcc ttccnctngg    660
gccttctcct tnggcccntt ccanggtaat tnaaaaacct tnnnncagan ccttttcnnc    720
acttgcnanc ttgtttttnac aaaccttaat tnaaaaggcc ccttggtcng aacccccaa    780
nnaagtggaa nccnnttnnc ccaaanaatt taatttngcn aaannaacca atanntaacc    840
canaccnttn tcaccancnt gttttcnaaa ggggtanccc ctaatccnnn atttgcncnt    900
```

```
        <210> 4364
        <211> 1565
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1565)
        <223> n = A,T,C or G

        <400> 4364
ttttnggnnt annnganncg annnnnannc tcaacnnggg gggnaaaaac nccccacgg      60
nnagggccag ggggnaancc ccaaacnggg aaaacccggg aaaannnacg gggcnaacgg     120
tagggggngg gnggggcc cgggncnctg ggggggggc agaancaaan ncaagcanac        180
ngggtttttt tttttttna naannnggnc cncnacaggg gcggnggaaa ngccacacgn      240
gggggggggn ggggnagtnt gtggtctgaa aaaaggncnn ngggggggg ggctactnaa      300
aagccangag cnacangann cnagnnaacn cgganacang ggnacanngc nnnanaggaa     360
nccncnncnn gagaaggccg gnanngccnc gagngnagnc gcncacgag nnccaccngc      420
nccaaaacan cnnncnacca nnangnngnc nnnaaanaan angaangcgc aaacanacnn     480
acgcaacgcn ananananaan aaagnnngnc ngaancgnnc nncncnaacn ncnnacacna    540
ncgggnaaga nngangggng nncacnaaca acnagngcan gngaganaan ncagcannga     600
gnnnnagcng acncagnacc ncacnacaaa gncanagggg nccnacannc nanaaaanna     660
nacgnaagnc ncanacacnc aagancnatn gaaaaacacn nccccaannna ncaacaanna   720
ggatacccac aagcagannna caccannccna nngccnacnn anacgcccag nangnnacaa    780
tagacacnac nagcgnnanc anaganaacn cncnngctna gnncgaanaa nnannagnnc     840
aagacggacg ngaaancgac acaangnnnt ncacacaaaa ncncaagnag actagaggan     900
ncgancacng atacagacaa cacacagnac gcnnggcacg agacaannna agnnnngnaa     960
```

```
gacgcganac  anngacagna  nnncgcncan  cgangannna  cgngacacna  canagngnna     1020
cacatngaag  cgacnncaga  cngagngcnn  aagnananga  agcgnacgaa  nnngcanana     1080
nanagacana  acagaggagn  gagngnacca  gcanacacaa  gnnaaanaga  gcannnacan     1140
aaccnacacg  tnnacacccg  gggcanagng  agntnnacnc  nngaggncac  gcgacanaga     1200
gnaggnacac  acacngacaa  nanancgaca  cagacgngac  cnnagacang  agagngcacg     1260
acaaanacnc  gnncngcagn  gacncnccag  nacancgcga  acacgacgnn  gacnngagaa     1320
anagaananc  aagacanang  ncnaananac  aacaganaag  ngnagacnca  nacananaga     1380
ntngngacan  atccgacaga  gacacganac  cncaanacng  acgcgngann  agnnannnag     1440
aagnnnnccn  gcgccgacnn  nananngnna  caantcgnaa  cgangagagc  gccggangag     1500
angagcacac  acaacancac  ntnnnacnac  agcgangaag  aganacgnga  gncnagagac     1560
agaat                                                                     1565
```

```
        <210> 4365
        <211> 1052
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1052)
        <223> n = A,T,C or G

        <400> 4365
tncgtgttgt  cccttgnnaa  tccnnaaant  nncttgccat  cgnannntng  cgacncggag      60
gcaccgactt  cangcnnggn  naacncnngn  ngangacnnt  ganngttttt  gacagcnnac     120
ngnganctng  ancacgtnng  ggnngcngna  gaaatgcacn  cncgcncnca  gnacgctnan     180
gnngntacnn  nacttgangn  anaagnnnaa  nnnaccgccn  naacagaaaa  cgnnnnggtc     240
ngacgccant  ncaggcnngn  anananactg  anganagana  nannccnggg  acgntcnnnn     300
cangaanagn  nnnnggacat  gannacnnna  gnanaggcng  nnnannnnna  canaancgng     360
nnnanacnna  tnngcannna  gcnanngcnc  acctntnaca  cnaagnnaga  nnaaccgcgc     420
gngantngac  ccanancaat  nanncnnnnn  gcttcactcn  nagngcanac  ntgnntaaga     480
cggnagcanc  ccnncnatcn  cgacaggccg  nnncagagag  gnatctctna  cgacacctag     540
cgcatacnta  nncacnanac  aggnccgagc  agaagatcnc  tnannancna  nntnnatcnc     600
ncnnanaaca  tgccgntntn  nacccctnnn  gtcantntga  cacannanag  tacgataaat     660
gntccagacc  gatagagcna  nctctcncac  gntnngnngg  cnngngtaga  cnccaaagcn     720
acngnancgc  atntacgnnn  agnnngcntn  actncaannn  ngctnacncc  gtacgacagc     780
accantnnan  tgngtcgnnn  acaacngnng  nntggnannn  tnggnaanng  annnccntat     840
gtnnnnncgc  cntcnnngaa  ntcgaaagct  ggncntngcn  nncgnnnggn  ncnanccnaa     900
nnannacnnn  gtnancngng  ncgaannnat  annagnattn  ancnttcncg  nctanctnca     960
cgntnngntg  cnacaccagn  ggnntnncnn  nngatnaanc  nantgangag  tccgccgnan    1020
nnnncnnann  nnnagcncnn  nancccnnnn  cc                                    1052
```

```
        <210> 4366
        <211> 714
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(714)
        <223> n = A,T,C or G

        <400> 4366
gntctctatt  nnaatcgctt  ggctactcgt  tctttctgca  ggatcccatc  gattcgaatt      60
cggcacgaga  gtgtatccag  atctaagtaa  tctcagtgaa  ctatacattg  cctaaaaagt     120
ggttttgtaa  tgatttgtag  tcacatttct  attgggatat  gtagaagaaa  aggcaaaatg     180
```

```
cttaaagttc cttttatttt ttaaaagcag ctagatagac acagacttgc cacctcatac      240
atctgctcct tggcaacatc aaggggaacg actagccaac atgcctatgg ctaaaaactt      300
tcctttgcag actaaagcac tgcttggtgc ttcgtttttc tacccttcac aacatgtgtg      360
atttcatcta agagatatat acatgtacac atgccctttg tttccacctg gatacaagat      420
cactcatagc taattaggac cattgttttt tgttcatctg tcttgttgca tgaagggaca      480
ttagacccat ttccattaaa ataagttctt ggtgataaac tgtggcactg ctacttcttt      540
ttaaatccac tttatgattt caagatggac acttgtaaga tgactcgaca taaggccatt      600
gcctggaagc cccagagctt cctctgtttt gtatggcccg ttcatgtccc aggcattgca      660
acacaaactc aagatttcac cacaacatga caagcatttt cctactgata ttag           714
```

```
        <210> 4367
        <211> 685
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(685)
        <223> n = A,T,C or G

        <400> 4367
gcctcacgct nntgtacttt ngttgctgtg ttgctgtgct gtgtgccnct nngatntgac       60
nactacacnn nncnaaggtg cccngcctcc tncnngatng tngnaagnat acttgacata      120
tggagnngca ttgnctcng ccnangtgaa anngattgga ntnatncnna tgcggggttg       180
gaaaanacnt gnnggggnna tatactgtga cngtccgcca cataaatcgg tngccatatg      240
aactatngaa ggctggttaa ngacntannc tggctacnan atngctgatg tanatgnncn      300
anntgngnna catanatctg gntgtcaacg natatnnnaa tntcnnggna cngngaactn      360
atnctggngt gcncacagag ctctcnngat ttacttatca ctatnanata tggggtantg      420
cggaactcta ngcanntant gcttcacntn atnttgnaaa ancatatggc atnntcantt      480
tgcttgtaaa gcacttcatt cttaactgct cctnaggann ggtntttccnc ncaanggnat      540
ntnaaaaanc agntttgntt ccttngntgg cgnaccnant nnttgngann tcttccccag      600
ngnannanaa ggttacttna ggttccannc ctcnttntaa nncnttataa tgaatnnncn      660
ctnaaanaaa annnaanntn nctnt                                           685
```

```
        <210> 4368
        <211> 720
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(720)
        <223> n = A,T,C or G

        <400> 4368
tccttttcan ttcactnnct tttgttcttt ttgcaggatc ccatcgattc ggtgggaact       60
ggctcaggct ggattactct tgctgctgtc ttgctgtnct gtatgccact gggatctgaa      120
cactaaacat tgctaagaaa cccacccacc accaggatat ttggaagtaa cttcacatat      180
ggaaaagtta aagactcagt ctctgagaaa acaattggac tgatgcgaat gcagttttgg      240
aaaaaaactg tggaagatat atactgtgac aatccaccac atcagcctgt ggccattgaa      300
ctatggaagg ctgttaaaag acataatctg actaaaagat ggcttatgaa aatcgtcgat      360
gaaagagaaa aaaatctgga tgacaaagca tatcgtaata tcaaggaact ggaaaattat      420
gctgaaaaca cacagagctc tcttctttac ttaacactag aaatattggg tataaaggat      480
cttcatgcag atcatgctgc aagtcatatt ggaaaagcac aaggcattgt cacttgcttg      540
agagcnacac catatcatgg ggagcnagaa gaaaaggtgt tccttcccat ggatatttgt      600
atgctgcatg gtgtttcaca agangacttt ttaccggagg aaccaagntn aaaatgtgag      660
```

```
agatgtaatt atatgacatt gccagtcaaa gcccacttgc cctaaagcat gctagncctt        720
```

```
                    <210> 4369
                    <211> 808
                    <212> DNA
                    <213> Homo sapiens

                    <220>
                    <221> misc_feature
                    <222> (1)...(808)
                    <223> n = A,T,C or G

                    <400> 4369
ttanttncat cagctcttgt tctttttgca ggatccctcg attcgaattc ggcacgaggt         60
tttnnttttt tttttttttt ttttttttttn ggggtacggn agcactttta tttttcctta        120
cacaatgacg tgttgctggg gcctaatgtt ctcacataac agtagaaaac caaaatttgt        180
tgtcatntnt tcaaagaatc gagaattgng tacaaaaaaa accttacata aattaagaat        240
gaatacattt acaggcgtaa atgcaaaccg cttccaactn aaagcaagta acagcccacg        300
gtgttntggc caaagacatn agctaanaaa ggaaactggg tcctacggnt tggactttnc        360
aaccctgaca gacccgcaag acaaaacaac tggttcttgc cagcctctaa agaaatccca        420
gaacactcag ccctgacacg ttaataccct gcacagatca naggctggtg cccacagac        480
tcaccaagcc acagacttgt ntttcacaag cacgttntta ccttagccac gaagtgccaa        540
gccacacgtt ctaaagggtg aactcaaaga tatgtacagg gtnttaaaca aatccaaggg        600
gaacagttaa cttcaataca aggncaaaat cagcacaagg tntacaatnc agngctgatt        660
taaatacaag ctttaanggc aatttntttt tgaangnttt ttccatttcg ngaggntngc        720
catgangngg gtgcattttg ncnngggggca aatttntntt ttcaattaan ccatgccaga        780
aaangctccn catttgntgg gtccgttn                                           808
```

```
                    <210> 4370
                    <211> 726
                    <212> DNA
                    <213> Homo sapiens

                    <220>
                    <221> misc_feature
                    <222> (1)...(726)
                    <223> n = A,T,C or G

                    <400> 4370
ggntttttaag atcagctact tgttcttttt gcaggatccc atcgattcgc cagtccatgg         60
gcaattggca gatcaagcgc cagaatggag atgatccctt gctgacttac cggttcccac        120
caaagttcac cctgaaggct gggcangtgg tgacgatctg ggctgnagga gctggggcca        180
cccacagccc ccctaccgac ctggtgtgga aggcacagaa cacctgnggc tgcgggaaca        240
gcctgcgtac ggctctcatc aactccactg gggaagaagt ggccatgcgc aagctggtgc        300
gctcagtgac tgtngntgag gacgacgagg atgaggatgg agatgacctg ctccatcacc        360
accacggctc ccactgcagc agctcggggg accccgctga gtacaacctg cgctcgcgca        420
ccgtgctgtg cgggacctgc gggcagnctg ccgacaaggc atctgccagc ggctcaggag        480
cccaaggtgg gcggacccat ctcctctggc tcttctgcct tcagtgtcac ggtcacttcg        540
canctaccgc antgtggggg gcanatgggg gtngcagctn cgggacaatc tggttacccg        600
tcctactctg gcaactccag cccngaaccc aaccccana actgcagcat catgttaatc        660
tgggacctgn caggcagggg tggggggtgan ncannanann tnnnangnaa atttnncttt        720
taaant                                                                   726
```

```
                    <210> 4371
                    <211> 767
                    <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(767)
<223> n = A,T,C or G

<400> 4371
```
tgggggtttt atanncagct cttggctttn gcngttnnag aganngctac tngnnctnna      60
gncgagctct acatncanaa ctnatcaatg ctgatgtggc taaataccta gcctttaca     120
tgnctgcccc ttccaggctc acatcatttt atttcttttt tctttgtctg gtggtttttt     180
ntttttgagg caggagaatt gcttgaaccc aagaggcgga ggttgtggtg agccgagatt     240
gnaccttngt actccagcct gggcaacgag caaaaaactc tgtctcaaaa aaanaaactt     300
gcacntgatn aaaaanggtn ttcatgacnn agcatgcnca ttnnctggcg gacatttccn     360
gaancagacc ctgttantcc ttnnacttac ctgctggatt tttnaagcgc taaatttata     420
acttntttga aacaannact ngtgtaattn tnccatttgg gggcaaactn tattcntgtg     480
ancattattn aatcttggnt gtnaatntat tganancccc ttaatanttg caatgggtca     540
aganaagctg ccacggngtn atnatcctct ttanattggg cntccantat tantgatgca     600
ntcatgactt ntggtttnac ntgtntggga tggggccaat aaatgnatnc ttcaagcnng     660
ncaaaaaaaa ncccnggatt ttgattcnna nngggnacnt ggnngttttnc tgactttac      720
cntaaattac cttngtntgg ntcttcattt aaaaaanaaa cgcntnt                    767
```

<210> 4372
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(830)
<223> n = A,T,C or G

<400> 4372
```
gcttnanccc tttccatttc caatnntttg gctctcnctn aaacccttg gancccntcg       60
attcgaatnc ggcacgaggg ctaacttgcc ttgttnnact atngatgttn gngtcctgnn     120
ttcttaacac tttaagcagc tgntctcacc taaaggctaa tagttntaag taagtatctn     180
tttcttttta taatttaaaa attaaaaaat ttttaattaa ctgtttttaa attaaaaaaa     240
attattaatn atttntaata gacaggatct ngctatgctg nccaggctgg tcttgaactc     300
ctggtctcaa gtgatcctcc tgccttggcc tcccaaagtg ctggtattac aggtgtgagt     360
cactgcacct ggccaagttn natncttcag gntacattnc ttcagccact tcaatcaaac     420
atnnaattaa catgctataa tgaatgacta tncttaacta ggctaaccaa atgaaggcct     480
ttggnaactt acctntagtt acanccttca cttctttttt tttgngaagg gaaantnnng     540
ggnncggaca atactcctng nantnaacta tngtaaccct ttncntngac tngaattaac     600
nngggaaatt nggggaaant aattgnagaa ntgaacnngc ttgaatcnaa nannantcaa     660
tanaccntaa tagncaantc ntnttaannc cccnaatcnn ttagncctnt ccaatttggc     720
cnanaagnta ananncnccc cnggcctttt ngccccaatc nnnaaattcg nnatnaaaaa     780
tnaaacccct ngcctttaaa ngggnacctt tnacacgaan gggggaaann                 830
```

<210> 4373
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(733)

1412

<223> n = A,T,C or G

<400> 4373

```
gtnntttcaa anntnaggct cttgttcttt ttgcaggatc ccatcgattc gaattcggca     60
cgaggtctcg agtttttttt tttttttttt tttggaggag ataaaccaat tttatgtcta    120
tcatgttata caaaaatcta gaaataatag atttgtacag aaaaaaatga taataaatga    180
gaacacaaaa catataattt aaatttggta tttttttcccc catgatatta ggatgataat    240
catttcaaag cacatgtcta gcttcagagt aggatttgtt cactggccaa agcctgccat    300
gaaactatgg ctttcagcat ctgtctgctc tactggctct tgacaaaact cttgaggnct    360
tcaagaaaag taatgtactc ctggtgctcc agggctgtgc tgagctccac cagctcatct    420
gcaaaagtgt tgtccacccc tcggtcggca aggaaatcca ttangtggtc atataaggcc    480
cagtccaagg aatctgtgtt gagtgtataa ttagtatcct tccattcaga ctcgccagtg    540
gactgaaagc taacttccct gatagagaag atgtcctctc agcctcgctt cttgtccacc    600
tcatcctctg gataatgacc gtccacacaa gggccctttt gccatcatca ttctttataa    660
cttcacccccc gaaatttggg aagttgatgt cagttcaggc tcctgnnctt caaccttctg    720
gccttgncga ngg                                                       733
```

<210> 4374
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 4374

```
tcacagtttt ttcntccccg aancgttnga aaattcctgc aggatcccat cgattcggtg     60
gaactggctc aggctggatt actcttgctg ctgtcttgct gttctgnatg ccactgggat    120
ctgaacacta aacattgcta agaaacccac ccaccaccag gatntttgga agtaactgca    180
catatggaaa agtaaaagac tcantctctg agaaaacaat aggactgatg cgaatgcagn    240
natggaaana aactgtgnaa gatatatact gtgacaatcc accacatcag cctgaggcca    300
tngcactatg gaaggctgnt aaaagacata atctgactaa aacgatggct ttntgaaaat    360
cgtcnnatta aanggaanaa ananantctn ggatgacaaa ancatatcgt aattatcaan    420
ggaactggaa aanttatgct gaaaacacac aganctntct tctttactta acactagaaa    480
tatanggtat aaaggatctt catgcanatc atgctgcaag ccatattgca aaagnacaag    540
gcnntgtcac ttgcttggan agcaacncca tattcatgng nagncanaat taaaggggct    600
ncnttc na tggaatattc cgtatgctcc nattggggct tncncaatga angacntttt    660
tntncnggat gnaacccanc tatnnnaann tggtntacaa cannntatat nntttnnaac    720
ntttnncccn nccananccn acncnttggc cnctctaaaa agnantgctt ctngtcccg     779
```

<210> 4375
<211> 1165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1165)
<223> n = A,T,C or G

<400> 4375

```
annaaancac acnnnccaca ncaanaaana canncanana nncnannaaa cacaanacna     60
accncncnnn cncncnacaa acnnncacan ncnncancnc ncncaannng cgngcttcaa    120
cnnatggnaa gccctnggcn acacgnanna acagcncgna ancnacgcna cgcnccnann    180
```

1413

```
cngannnaan acacccanan nacacgagag agnnancnaa cacnannana cnnacccgcn    240
ccnanaaanc nggnccnnga cgangccgac gnacacancc acaaaacncg acaacccna     300
acaaaangca aaacgcgnaa aganccnang acnannaaaa agncgccang anancaacna    360
gnacacacgg acnaaccngn accngcanac ancnnnccac aaaccncgag agcnaccccn    420
acgcagcanc ncnnccgcaa anngnnannc nacacnccna gccccagann angaacccag    480
canccnnaan cannnngcnc nacgaacaac aacnnanana nnaaccccca gacncacaca    540
accagnnncc nacgnganac gncnacccnc accncacngg aacaananaa ccaggccncn    600
aanagcgnna acaacccaaa aagnacccc cncanacan caacagnana cacacacccn    660
cncgggacaa ncanacncac nnaggaaaac cccaannggn gncaaatnan anccccaca    720
acacagcacc aaaangccaa ncnccaaaac aaggcgnaac nacnncagcc gcgacgacac    780
aaacaccacn naancnnaan cannnnncag ggncaaacan ngcaaaanng nnggcgacac    840
actanancng ngacacccca ananaatnag ccccanggan cgacacanna acagcgagcc    900
gaanccggna aanaaacgna aaaaccnggc ncaccnacca ggcacnaccn caacaccacn    960
gcaaaaaacc ancncccnaa tcnaaacacc ccaagaanng ncacacacng nncacaaang   1020
nacccncnna anaagggcca anngcccccan gaaccccca cancnnnncc ncangaanaa   1080
naggncccna cncanggccn acnncaanga cacacnaccc caagaannca ccacagcnag   1140
anaancanca ccccancann gaanc                                        1165
```

```
        <210> 4376
        <211> 725
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(725)
        <223> n = A,T,C or G

        <400> 4376
tttnacactt tngcnacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag     60
gtttttttttt ttttttttttc acgcttaatt cactttattt ttcttgtata aaaaccctat    120
gttgtagcca cagctggagc ctgagtccgc tgcacggaga ctctggtgtg ggtcttgacg    180
aggtggtcag tgaactcctg atagggagac ttggtgaata cagtctcctt ccagaggtcg    240
ggggtcaggt agctgtaggt cttagaaatg gcatcaaagg tggccttggc gaagttgccc    300
agggtggcan tgcagccccg ggctgaggtg tancagtcat ngataccagc catcatgagc    360
agcttcttag gcacaggtgc ggagacgatg ccagtgcccc tgggtgcagg gatgaggcgt    420
accagcacan agccgcagcg gcctgtcacc ttgcaaggga cagtgtgggg nttgccgatc    480
ttgttcccccc agtagcctct gcgcacgggg acgatggaga gcttggccag gatgatggcc    540
ccacngatgg cggtggncac ctcctgggag ccacttaaca cccanaccga cttnggccaa    600
aanggcctta aaccggtaaa aaggccncnt tnnttgccgt tttttccnat aggnttcntg    660
cccccntgna cangctttna caaaaaatct gnnntttatt tanaaggtgg gnnaacccc    720
ccnng                                                               725
```

```
        <210> 4377
        <211> 725
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(725)
        <223> n = A,T,C or G

        <400> 4377
tttnacactt tngcnacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag     60
gtttttttttt ttttttttttc acgcttaatt cactttattt ttcttgtata aaaaccctat    120
```

```
gttgtagcca cagctggagc ctgagtccgc tgcacggaga ctctggtgtg ggtcttgacg     180
aggtggtcag tgaactcctg atagggagac ttggtgaata cagtctcctt ccagaggtcg     240
ggggtcaggt agctgtaggt cttagaaatg gcatcaaagg tggccttggc gaagttgccc     300
agggtggcan tgcagccccg ggctgaggtg tancagtcat ngataccagc catcatgagc     360
agcttcttag gcacaggtgc ggagacgatg ccagtgcccc tgggtgcagg gatgaggcgt     420
accagcacan agccgcagcg gcctgtcacc ttgcaaggga cagtgtgggg nttgccgatc     480
ttgttccccc agtagcctct gcgcacgggg acgatggaga gcttggccag gatgatggcc     540
ccacngatgg cggtggncac ctcctgggag ccacttaaca cccanaccga cttnggccaa     600
aanggcctta aaccggtaaa aaggccnctt tnnttgccgt ttttnccnat aggnttcntg     660
cccccntgna cangctttna caaaaaatct gnnntttatt tanaaggtgg gnnaacccec     720
ccnng                                                                 725
```

        <210> 4378
        <211> 1050
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1050)
        <223> n = A,T,C or G

        <400> 4378

```
nngnnncccn nnnnnannna cgnngcgccn acncncgnnn gnangcgccc cnncgcaccc      60
ganangnacn cnnncagngg cntncnncan angacggngg nnnnnncaca nnacncncgg     120
nacgnngncn ccgangnnnn gccgncncng cnnncnccgg ngcccenttn gaaacnctng     180
ggaaatccga cacnccnctc gngancagcc anaccennac cgnccgggga ngcnnaaanc     240
nncacggcan ngngncgngn anacnancnc ggnnncgcnn ggnccngaca cgnacgncgc     300
ccnccngncc cngncggcgn cangngaaag gggngccgngg cccngncgnn cnacncncgc     360
cagnnanncc ngnncgcnng cacngnnccc ngccgccncc nnncgtcncc acncnncgcg     420
nnanccngcn cggncagntn cgcagagcna ngcccgcgaa gaaaaccgcn ngcgnngcgc     480
cccacnggcg acnacgccag cncnccnngc ntagnggnca nacnnanccg ngcggnngng     540
ncnnncannn gacanangcg caccacggcg gcnaggccna ggacgaanng gcgacccngc     600
gagccnanga nnanccggna tngccanaac cncaacggcn ncngnnacgc gnnacgnggn     660
cnaatncaat cgcnnganan gacacancag nagcgcctgc nnncgcnnan ncgnnacact     720
cacacnncac cngnggccct caagngagcc gccantngcg ngnnncaaag cangcanngg     780
accatannng naacaggcac aanggcantc gcacnanggc nncgnggann caccccnata     840
gcnacggggg agcangaacc aagggggcggn cccgtcccna nggcnnaagt cggncaggct     900
gcacnggncg gncncannaa gacggnacnn nngnncaccg ggagggaccc accgcnccnc     960
acnggggnn ncnanggncn ccacagggna cngnncgccn nncccnnagn cccncanggg    1020
nacccgnaan ggnaaggcnt ggggggccccg                                    1050
```

        <210> 4379
        <211> 731
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(731)
        <223> n = A,T,C or G

        <400> 4379

```
tntcaatnct nggctctcgt tcttttgcag gatccctcga ttcgaattcg gcacgaggta      60
ttcagcttgg ctggagcaga ggcaggagtg gggaactggg gacnggtgan actagaggtt     120
ggcngaaacc agccatagta gtttttgcct catttggaca acaaggagcc atccaagaga     180
```

```
gagcggtgaa gctgatggtg acacagccat ggcgcattga aatacccca gtggctgtgt    240
tgtagggtat attgggttgg ggagggacaa ggtcaggagg catagactcg acatcatctg    300
atgtgattca ggacagaatg gcgagcctga agtgaagtgt ctgtaggata agttggaaag    360
gaaggaacca atatgagata ttaaagaagt gaaagctata ggtcccagtg ccttaataaa    420
ggtaaggagt aagagaagat tcgagattga ctcccagact ctccagtctg ctggacatgg    480
gagatggaat agaagttgat ctcggtgtgg tcanaggaga gcagttnctg tgttgagcat    540
ggatagcctg cgntccccaa gagaangagt tccagctgnc ttgtaataag ccaangcnna    600
ttatggngna gatccaccct tgggagcnac ttccttaggg ggccnacnct tnntagcccn    660
ttanttaann anttcccccc cctanatnnt tccttnggnt ttaaanctng naaacttntn    720
tttacnnttt c                                                          731
```

<210> 4380
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(731)
<223> n = A,T,C or G

<400> 4380

```
tntcaatnct nggctctcgt tcttttgcag gatccctcga ttcgaattcg gcacgaggta     60
ttcagcttgg ctggagcaga ggcaggagtg gggaactggg gacnggtgan actagaggtt    120
ggcngaaacc agccatagta gttttgcct catttggaca acaaggagcc atccaagaga    180
gagcggtgaa gctgatggtg acacagccat ggcgcattga aatacccca gtggctgtgt    240
tgtagggtat attgggttgg ggagggacaa ggtcaggagg catagactcg acatcatctg    300
atgtgattca ggacagaatg gcgagcctga agtgaagtgt ctgtaggata agttggaaag    360
gaaggaacca atatgagata ttaaagaagt gaaagctata ggtcccagtg ccttaataaa    420
ggtaaggagt aagagaagat tcgagattga ctcccagact ctccagtctg ctggacatgg    480
gagatggaat agaagttgat ctcggtgtgg tcanaggaga gcagttnctg tgttgagcat    540
ggatagcctg cgntccccaa gagaangagt tccagctgnc ttgtaataag ccaangcnna    600
ttatggngna gatccaccct tgggagcnac ttccttaggg ggccnacnct tnntagcccn    660
ttanttaann anttcccccc cctanatnnt tccttnggnt ttaaanctng naaacttntn    720
tttacnnttt c                                                          731
```

<210> 4381
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(890)
<223> n = A,T,C or G

<400> 4381

```
cnttcttnan nnnatnttcg aagnnncnnn nnncntntna gttnncnnnn ntccngttct     60
aatgcttggc tancnnggcg ctcnaacgcn ctttcaaacc nagctctngn tcttttgcag    120
gncccatcgn tcgaatcggc acgaggctgn ttcctcaaga aaatgaagag ggnaggatgg    180
ctcagggaaa gttnatcaga gggnaaatgt cactctgtaa agagtaaaaa atttaggatg    240
atgatncnga tctgggaaaa aaaggcatag tgaagaccac ttaaaaacaa acaataaaac    300
ctatgaaggt gcatgctatt tccccanagc taaaaagata agtgaaattg tgttttgaac    360
tcttaagtgg aggtgaagca caatttatta gccaccaacc acataagtga ttatgaagta    420
actgagaaac aggtnacatt ttttcccaca tggacaaaac tttctctttc tagaatatta    480
agtatctatg atnagaaatg aagtagcatc tcaagcagtt tataaatcta ccagaatatt    540
```

```
agaatcacct gggacctttg aacgtactca tgcccnatng nctacctnta ttcatttntt    600
ttttcgtaa gatattgggg acttcaactt cnggncttaa aangatccnt cccacctccg    660
gccctcctaa aagttgtnag ggattntcaa ggccntgagc ccncntgtgg gcnctgccct    720
tctnatggtc ntgcttttng acccaattta natnnaatca tcttgngngg ttggnnccnc    780
tgggcctnta aagnatnttt taaaaanttn tccnaanggg gncnactnaa tttcttatcc    840
tatcgatttg tnnancccnc nggcctaatn ccttgnnnat ctctttncct                890
```

```
        <210> 4382
        <211> 789
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(789)
        <223> n = A,T,C or G

        <400> 4382
ggggtanga nccctttgan accnattgct acttgttctt tttgcaggat cccatcgatt     60
cgaattcggc acgaggaagg atccagcatt cggaggcaaa catgaagctc catcctctcc    120
aatttcgggg caaccatgtg gagatgatca aaatgcttca ccttcaaaac tctcaaaggg    180
aagagttaat acagagtatg gatcgtgtag atcgagaaat tgcaaaagta gaacagcaga    240
tccttaaact gaaaaagaaa caacaacagc ttgaagaaga ggcagctaaa cctcctgagc    300
ctgagaagcc cgtgtcccct cctcctgtgg agcagaaaca ccgcagtatt gtccaaatta    360
tttatgatga gaatcggaaa aaagcagaag aagctcataa aattttgaa ggtcttggcc     420
aaaagttgaa ctgccactgt ataaccagcc atcagatacc aaggtgtcca tgagaacatc    480
aagacaaacc aggtgatgag gaaaaaactc attttatttt ttaaaagaag gaaatcatgc    540
cagaaaacaa agggaaccaa aaaaatctgg ccaccgttat tgatcagctc atgggangca    600
ttgggaagaa aaaagtgggg ncagaanttg aaaaataatc cttcnggagg gaaaagctta    660
aaggaaagcc aaaancaagg gggaattnct tttgnaaaag ccagtttttc cagaaaantt    720
cggaaaaacc nanggaggaa ccagccangg aaaaagattt ttcancccga aatttggggc    780
cannaangg                                                              789
```

```
        <210> 4383
        <211> 1266
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1266)
        <223> n = A,T,C or G

        <400> 4383
angntttncn cccctttttt tntgaaaaac cccccctttt cgnanaactn ccccngtctn     60
cctgatnntn gcgangnnnt acgcccatat gggatttctg taattnnngg cctaccggca    120
gnagangatt atngntatag naaaantttg tggtattgtn tctcntgtca tccgnctggc    180
ncannnatct gtnganaanc ncnnnntnt tgggttacat nccanntctn agttnaacgc     240
tgtaaatcnt ngagatnncg tgngnacgac ancngcctct ntcatggctc nnatnacttc    300
naccanaana tagtatangn ngcnnntttg agcagnnccc cnatcntncn acgacnantc    360
gctaanangc ttctacgatt cnnttttttgt nnnactngtn cctttannat ccttnncnnn    420
taangccnan ttgtngnana ctancgcact ntgcaaaatn gntanttntt ctaactttna    480
taaaatgnna gtgcnaatac ngntttcann nttannnnat anaaaaagga antngantcn    540
tgtntctncc cctttcangt anangnncnc ctagnnngat tcnntnngtn anntattctt    600
atancgcgng gtagaaangc ctactttgtg ngtannattt ctcttctatt natnnngttc    660
ctctgttnta cntnnntgaa ncnntttagn angaaggacn gnanaaacan naccnacngc    720
```

```
nnnaggntnt tnnngcntan aatanngant acttctnang nccnnttcac tttcnatagn   780
aaccctccgt ntgtgagncc tttctanttc tnatacnaat actctttnga tncgccacan   840
ttntnnntan ntntnnnntt tnnntnagtnn atgttnnncc agcannttct cnntnccttt   900
ctnnnacnaa ntntgnaaan nngctttctt nnnnacntag tngnannnat caanccctnt   960
ncnctgtgcg tcntnanata ttncnnntct tantcnnncn ncntanatcg nggcntanat  1020
accnactnan ntataatatg ngnnctngtc gntnatttnc aggcattctc tgngntncnt  1080
ntcttatcnc cntcgtntcg tgtncnngct agnnntanta ntancgtnan ncatntcagt  1140
atacnntctn tcntgtgngn gcatacncta nnaatntact gntnctcacn ngcntgacnt  1200
acgntangan tngaanggag tgcccgnnnn tgcnaatnta tctcncgcac ctntaccnac  1260
tntncn                                                            1266
```

```
    <210> 4384
    <211> 785
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(785)
    <223> n = A,T,C or G

    <400> 4384
aggggtnnnn nnnnnntttt gaaaggcggt nnnannnntt nnnaatatna gctacttgtt    60
cttttttgcag gatcccatcg attcgaattc nncncgagcn gggncgnang nagccatggt   120
gcccagccgn aatggcatgg ncttgaancc ccacttccac agngnctngc agcngcncnt   180
ggcnncntgg ctcaacnagt cgntcctgga agaatccgna nacgtatggg cnggacaagt   240
cnaggcgcac cgcatngatt gacacgccnn ntgtcgggat cccatgnggg tcattttgcn   300
catgncncan ggttcgntgc nacacanagg tgctcagccg agcnnggatn tagnctggag   360
gagcttaggg tgnccggnnt tcacannann gtggtccggn ccattgncnt ttgtgtngat   420
nngnagaggc anatcangnc canngnttcn ctgcatgcca acgtgcagcg gntgaaagan   480
tccgattcan actgatnctc ttcnccncga agnnttcngt ncctanaacg gagacanttn   540
tgnttaaaga actgatactt gtcanncngc tggaccggan cgnttatgcn cttcctggaa   600
cgtntttnnnn aagganaaaa ctntaattaa tactttggga anagaanaat ttnanagcct   660
tcnatangtt tcganttggt ccgtgccaan nggcccggtt tttttnacct nactnnccaa   720
nanganccca agggaagccc ttncaacang gatngtnaaa agaanaanat taancnccnt   780
ncntg                                                              785
```

```
    <210> 4385
    <211> 967
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(967)
    <223> n = A,T,C or G

    <400> 4385
nnnnnncann annnnnnnna ngnnnncnna ccannncnnn cnacnnagng nncccgctcc    60
aaagccggca anncgccgcn cngcnnnntc aaaccntgca ngcggcacnn gnngnncccn   120
acgangcgcc agcgcgcgng anacngngct gccaagaaan gngngcncan agnccggcct   180
ngagaacagn acagngganc gtcanaagca gngggangac agacgacnga ngaaacntag   240
agcccagggn nagcgngacg acggaccagn tcccaaaggc nggngcccaa agcngacnag   300
ntnnaggaag aaanacgngg gacacaaccg gagacanccg annaggagcn dacnganntg   360
gacccanang gcaagaagca ccnaaacang ncacccacca nacgaccggg gaaggcacga   420
acggtcngag cacgagnaaa acgngaacna ancaacgcgc acacanngng aganagaaac   480
```

```
accncnaaca ancnaancgn gggaanangn agaccggacn cagaagaang gcncaagann    540
cggcanngaa cccnnaancn gacggaannc agggncggng ccaacaagan ggcnangacn    600
ggncaannna nggccggcnn ggaaaaacga ccaagnngnn cnccaaaaaa gacanggcaa    660
aagnaaacgg gcaaagggca ancncnaagg nnaagcccna naacgcgcan nnggagcaaa    720
angnnccaag ngaggancna aaganggggga aaggggccca cnaagngggc ggnnaanngg    780
cgaannnaaa acanagggng ggggccacng gnaaacccaa gcgcgaaann ccnggcncna    840
agggccccga aaacangggg ngacaaaaac ccnngccaaa accnnanggg ngggncccat    900
cgngannaca naaggngaac cgnccaaggg ggcanaaagg aaaggccatn nnaangnaaa    960
agagccg                                                             967
```

```
        <210> 4386
        <211> 1118
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1118)
        <223> n = A,T,C or G

        <400> 4386
tnggctttna atnccttttc nattccaatg cttggnnact ttcaacacga tcccatcgat    60
tccgaattcc gggcacgaag caggagctgt gatctgcccc caggtattct gaccccaaa    120
ctggctctca acccatgttt acatggatgg aaaanggaan agggtgactg gtngtatcaa    180
gctcttaaag ggccttactt ttgggtggaa aatgggdacc ctaaaaattt ganttggctt    240
acttggantt nccttnctgg tcaattactg gaaaaatttg ggcaccttca nttaanttta    300
aatncttttt ggaaactttt taccattaaa ccttggnncc tttaaannnt anntatttng    360
nccaattgna ngaaantntt atctcttnna ttattcatta aaaatantnt tnccnnnagt    420
ctccnatctc ttttgntaat aagngncccg gnatnctcaa ntntacnata tgtnnaagtn    480
ntnagtcttn acanccagat tntnttnttn anttataant tgntnananc gnttnannta    540
nnntatnngn naacttcnta ctggtccaan gnntgtnnga atgttcanan ttaactantg    600
nantnttnga aantacaact nggtnntanc aaancntcgg nannngtggn canttatncn    660
nnngnanaat gnnaaatgnn gnantcgcan gnttccnang nntctananc cnnnaatctc    720
nangcgnann canttcatnn ncggttacct ccnatnagtn acctcncgna ngntatatgn    780
agncatgntc ttntgttagc aattgaannc atcnnncnat cnagantcca natantaatc    840
ttnncgntaa ncncgcttna nngacgcntt gntatcccnn tcgngatgtt atatntacat    900
nnatacannn tgnntganaa aatacngtnc ngntcnngga naatctnagc tggtnctcac    960
agnatcntan cgtgnaatna ccntanattg tncncccncg cggngtgtcc cananntcgcc   1020
nntagagcnt catntcnngn nattngacgg taatnctgat atnttntctc acncagattn   1080
cnnctaataa aagngnnnta tttgtagaaa tgacnccg                           1118
```

```
        <210> 4387
        <211> 486
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(486)
        <223> n = A,T,C or G

        <400> 4387
cgcctttaa gctncttgtt cttttttgcag gatcccatcg attcgaattc ggcacgagac    60
tctggcacag ccagagtcat tgttctttca agcagtcatt catatcagcg ggntgccatt   120
nctgntttgg agcactagnn naaaatagct gcactatccg gngcgnntat ncnaagctgc   180
ncgcnngngg cttgcnttct tgngggngnt tttnttgnna atntcaaaag tttctaatcc   240
```

```
tnatgccnct ttttgggnaa anncaagann aagtcaatcc tncccttggg gatccngngt      300
tccccnttca atcacgattt gtnggnnntc acncgattta tntttacnan gacacaggnt      360
tattgancng ttangttntt aacatctngn aanctnaant gtngctgnat gnaatgngcc      420
tnnncanttc ccatnacntt tgcccctncn ngnggngccc tancgtngtg ngnntnaatg      480
ccnnan                                                                 486
```

    <210> 4388
    <211> 842
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(842)
    <223> n = A,T,C or G

    <400> 4388

```
tcncctttng aaatcncctt ggatnttgct ttcnaatnnc tggctcttgn tctttgngca       60
ngaatccnnc acgagggann gctgtcngan antctgttnt anacggnaan nccctgaatt      120
nancatcnac agtgctnntc ttngaancan nnntnctaaa ntcnntcatg anatggaggt      180
gattaagatg gcccttgctc ntggatgnca nacttnngnc agaatnnacc tactntgacc      240
ataggatact tttntntgta ggtgtaaatg gttctnctnt actaatcnga nnnggannat      300
annnatacaa cnttntangg gatccntann canntnggaa cagcngtnga tgnccncttt      360
nggagggtat tcatntnnca ntcntgatna aanntncctn attnttntnn ctactgangc      420
aacnnnntgca nnaagtgtat gaanggtgcc ccctgtncca atgatnctgc antgctgnat      480
ncagcctttt ctgggagcac cggtccaagc gttccggaat tgattatccc natcatttnt      540
ganntgtnac tggaaaatnt nngnctnatg cantnaaaaa tgtacttggc ttgctttttn      600
ncaanngntt atttncntct ttgggaagta ataaaaccga ttcnacccgt ngaaaccgtt      660
aaccaaaatt tcntggtatt ttaaggnctt tttttcctgt tntganggtc ggagtcnttg      720
gnnccnannt atttttttgg ggtttttgng naagaatttc ctaaaantaa anntttnntn      780
ctacccattt ttnananata aantgannta anaaaaattt cctgcccttt tnaaaacttt      840
nt                                                                     842
```

    <210> 4389
    <211> 628
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(628)
    <223> n = A,T,C or G

    <400> 4389

```
nnnnntannn nntcntnnnn anntntanng atnntntntt cnnnncnnat nttannattn       60
nnannctcnn nnnntantat annagnnnnn nntatntnan gantnnnnnn nnnnnatnan      120
nanatnnnnn nnncnnnnnn nntntttcat tttngaaacn cccttaccgt gccgcnttng      180
ccagtatccc atcgnnncgc aacnaccccct acnnaaaaac tntaaanaaa ntggctagca      240
acgggttntt tcatcncggt gtctcttnat ntaagtttnc taagttaaga aaagctggtg      300
acatattnat acgtntttgt gcaaaaataa atgaatggca ntagnaccta aaaanatctn      360
tattatgtac ttntgtgtga aaaagtntgt ataatanttc cctnaaatat gcattatttt      420
acttgtgagt tntttnctga attaatctga aatgtncaag ccctggattn gctacagagt      480
gagaagttat ngctattngt ttcttatttg taatgcttgg aaatgctgca caaatcacga      540
agctcttacc atgggttgaa caaaaaaagg ggaaatgggg aggggaaaag ggtgggatag      600
cccagcatgc ttgtntggta tattccag                                        628
```